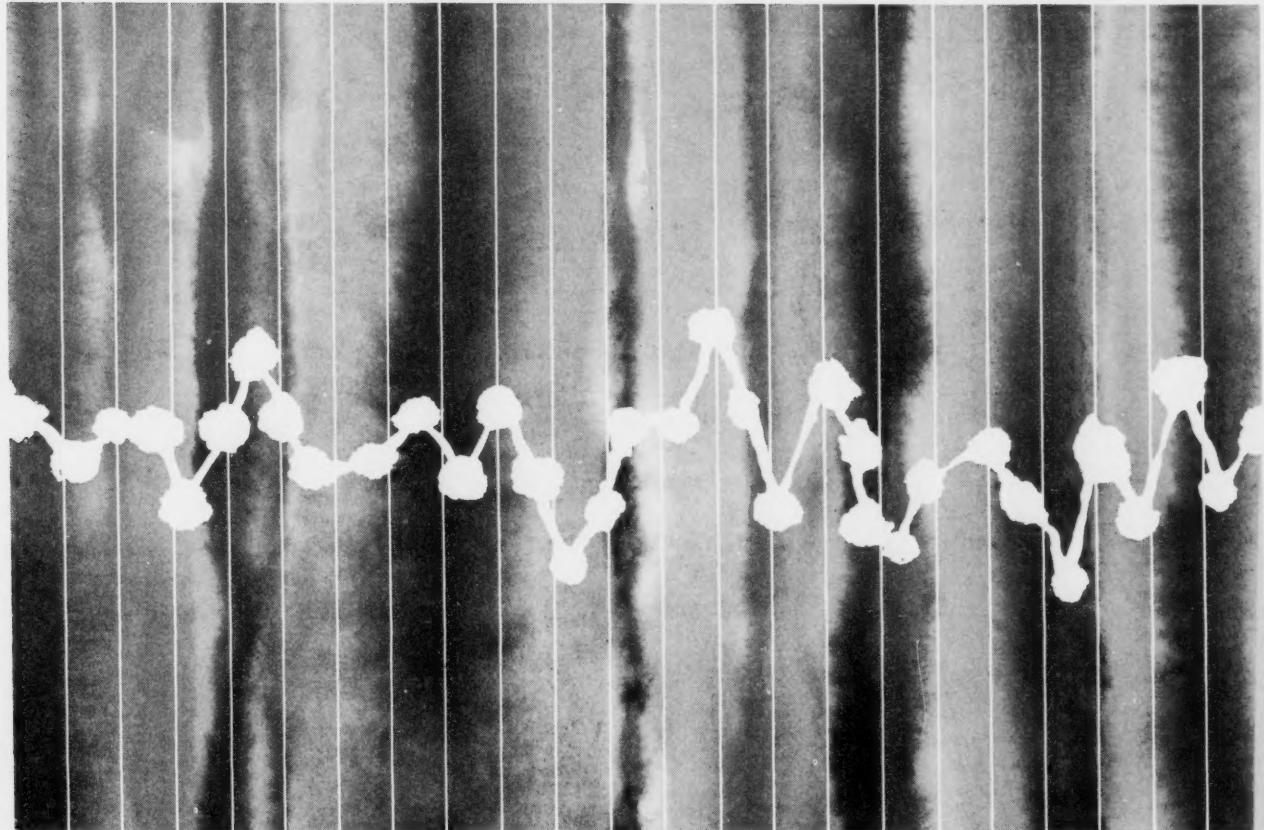


# defense indicators

**JULY 1975**



U.S. DEPARTMENT OF COMMERCE • BUREAU OF ECONOMIC ANALYSIS



This report was prepared in the Statistical Indicators Division, Bureau of Economic Analysis. Technical staff and their responsibilities for the publication are—

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The cooperation of various government agencies which provide data is gratefully acknowledged.

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Subscription price is \$17.90 a year (\$4.50 additional for foreign mailing). Single issues are \$1.50.

Airmail delivery is available at an additional charge. For information about domestic or foreign airmail delivery, write to the Superintendent of Documents (address below) enclosing a copy of your address label. Make checks payable to the Superintendent of Documents. Send to U.S. Government Printing Office, Washington, D.C. 20402.

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The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through September 1, 1975.

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# defense indicators

July 1975  
Series ES4 No. 75-7

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# 6 BEA PROJECTS

## for economic analysis

### BUSINESS CONDITIONS DIGEST

A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together approximately 600 economic time series in a form convenient for analysts whether their approach to the study of current business conditions and prospects is the national income model, the leading indicators, anticipations and intentions, or a combination of these. Other types of data such as foreign trade, Federal Government activities, and international series are included to facilitate a more complete analysis.

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### DEFENSE INDICATORS

A monthly report for analyzing the current and prospective impact of defense activity on the national economy.

This report brings together the principal time series on defense activities which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. The approximately 60 time series included are grouped in accordance with the time at which the activities they measure occur in the defense order-production-delivery process. Charts and analytical tables facilitate interpretation.

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This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It is a basic research document for economists, historians, investors, teachers, and students. It brings together under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. A computer tape file of the time series included in the report is available for purchase.

### COMPUTER PROGRAMS FOR TIME SERIES ANALYSIS

The source statements for FORTRAN IV programs used by BEA in its analysis of time series are available on a single computer tape.

SEASONAL ADJUSTMENT PROGRAMS.—Two variants of the Census computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations. They are particularly useful in analyzing economic fluctuations which take place within a year. The X-11 variant is used for adjusting monthly data and the X-11Q for quarterly data. These programs make additive as well as multiplicative adjustments and compute many summary and analytical measures.

DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

### SURVEY OF CURRENT BUSINESS

A monthly report for analyzing current economic developments.

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

### BUSINESS STATISTICS

A biennial reference volume containing statistical series reported currently in the Survey of Current Business.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

## Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

### Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense-Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

### Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

#### Gross National Product and National Defense Purchases

- Gross national product (BEA)
- Federal Government purchases of goods and services, national defense (BEA)
- National defense purchases as a percent of gross national product (BEA)
- Gross national product, changes from previous quarter (BEA)
- National defense purchases, changes from previous quarter (BEA)

#### Advance Indicators of Defense Activity

- Defense Department gross obligations incurred, total (DOD)
- Defense Department gross obligations incurred, procurement (DOD)
- Gross obligations incurred outside the Government for national defense (Treasury)

Defense Department military prime contract awards for work performed in the United States (DOD)

Defense Department gross unpaid obligations outstanding (DOD)

Manufacturers' new orders (Census):

- Defense products industries
- Defense products

Manufacturers' new orders from the U.S. Government, aerospace industries (Census):

Average weekly overtime hours, production workers, defense products industries (BLS)

Accessions, defense products industries (BLS)

Layoffs, defense products industries (BLS)

#### Intermediate and Final Indicators of Defense Activity

Manufacturers' inventories (Census):

- Defense products industries
- Defense products

Manufacturers' unfilled orders (Census):

- Defense products industries
- Defense products

Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)

Defense Department progress payments outstanding (DOD)

Employment in defense products industries, total (BLS)

Employment in defense products industries, production workers (BLS)

Index of aggregate weekly man-hours, defense products industries (BLS)

Index of aggregate weekly payrolls, production workers, defense products industries (BLS)

Defense Department manpower, military (DOD)

Defense Department manpower, civilian (DOD)

Defense Department net outlays, total, military functions and military assistance (DOD)

Defense Department net outlays, procurement (DOD)

Budget outlays for the national defense function (Treasury)

Defense Department personnel compensation (DOD)

Manufacturers' shipments (Census):

- Defense products industries
- Defense products

Manufacturers' shipments to the U.S. Government, aerospace industries (Census):

Ratio, manufacturers' unfilled orders to shipments (Census):

- Defense products industries
- Defense products

Ratio, manufacturers' inventories to shipments (Census):

- Defense products industries
- Defense products

#### Defense-Related Balance of Payments Components

Transfers under U.S. military agency sales contracts—exports (BEA)

Direct defense expenditures—imports (BEA)

U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunitions), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

#### Description of Basic Data

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly *Status of Funds* report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The *Status of Funds* report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's *Contract Awards* report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The *Contract Awards* report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the *Status of Funds* report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts .....	372
Guided missiles and space vehicles, completely assembled ..	1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments<sup>1</sup> classified into the following industry categories in accordance with the *Standard Industrial Classification Manual*, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories .....	19
Communication equipment .....	366
Aircraft and parts .....	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey*

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).<sup>2</sup>

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include non-defense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

<sup>1</sup>An establishment is a single physical location where business is conducted (e.g., a plant). A company often includes more than one establishment.

<sup>2</sup>See the Bureau of the Census publication *Shipments of Defense-Oriented Industries*, Current Industrial Reports, Series MA-175, for annual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

### Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

### Guide to Charts and Tables

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., data not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

#### New Features and Changes for This Issue

Appendix C contains historical data for series 625-638 and 640.

The August issue of DEFENSE INDICATORS is scheduled for release on August 28.

**Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators**

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

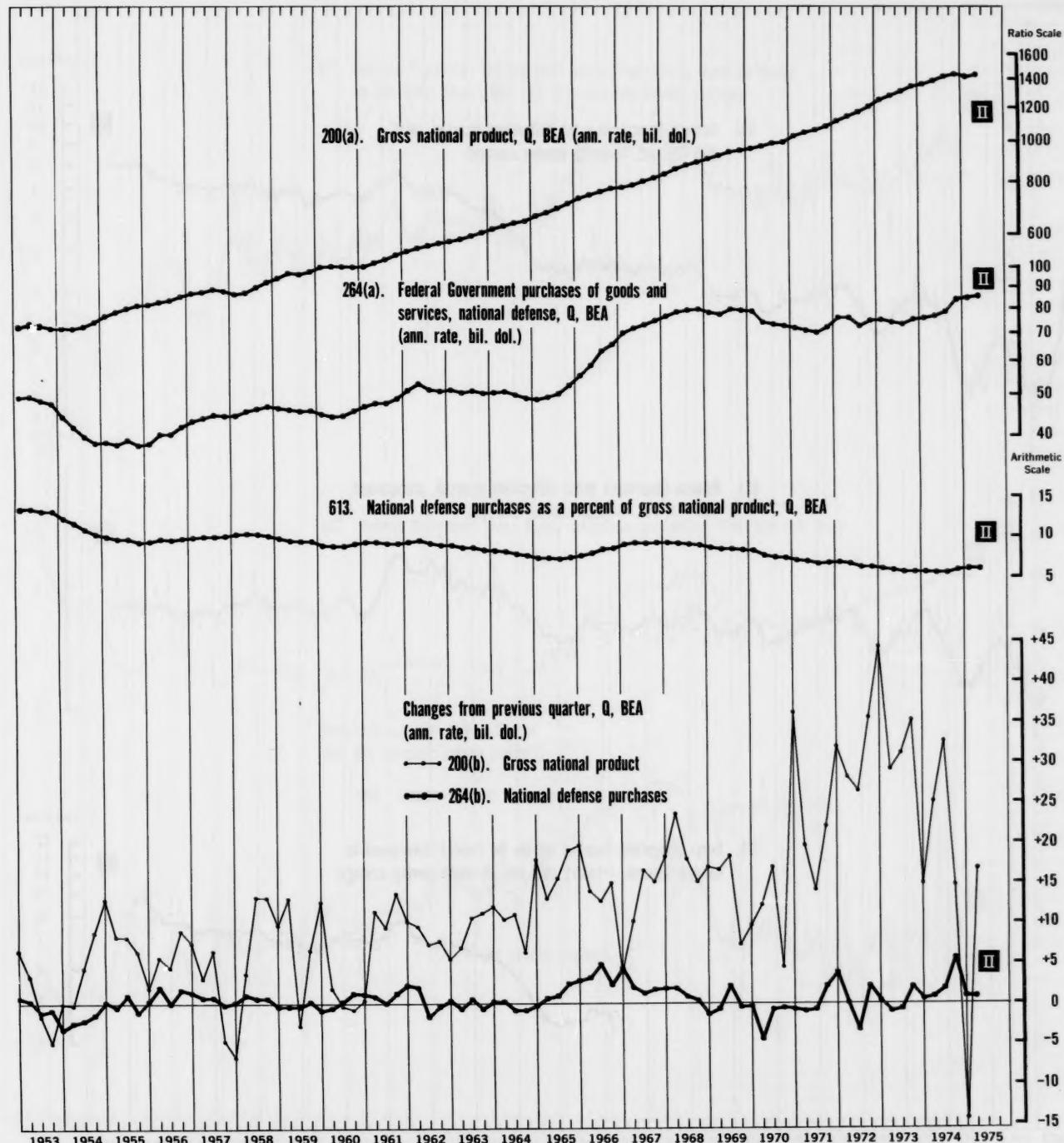
Series title	Unit of measure	Basic data							Percent change				Series number	
		Average		4th Q 1974	1st Q 1975	2d Q 1975	Apr. 1975	May 1975	June 1975	Apr. '75 to May '75	May '75 to June '75	4th Q '74 to 1st Q '75	1st Q '75 to 2d Q '75	
		1973	1974											
<b>GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES</b>														
200. Gross national product (BEA) .....	Ann. rate, bil. dol. ....	1294.9	1397.4	1430.9	1416.6	1433.4	...	...	...	...	...	-1.0	1.2	200
264. Federal Government purchases of goods and services, national defense (BEA) .....	do .....	74.4	78.7	84.0	84.7	85.4	...	...	...	...	...	0.8	0.8	264
613. National defense purchases as a percent of GNP (BEA) <sup>1</sup> .....	Percent .....	5.7	5.6	5.9	6.0	6.0	...	...	...	...	...	0.1	0.0	613
<b>ADVANCE INDICATORS OF DEFENSE ACTIVITY</b>														
Defense Dept. gross obligations incurred (DOD):														
617. Total .....	Ann. rate, bil. dol. ....													
621. Procurement .....	do .....	85.5	93.9	96.0	93.9	NA	95.2	98.4	NA	3.4	NA	-2.2	NA	617
623. Gross obligations incurred outside the Federal Government for national defense (Treasury) .....	do .....	18.8	20.6	20.9	21.1	NA	17.1	22.2	NA	29.8	NA	1.0	NA	621
625. Defense Department military prime contract awards for work performed in the U.S. (DOD) .....	do .....	89.1	101.1	102.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	623
643. Defense Department gross unpaid obligations outstanding (DOD) .....	Bil. dol., end of period .....	35.3	41.4	41.9	42.0	NA	49.5	47.1	NA	-4.8	NA	0.2	NA	625
648. Mfrs.' new orders, defense products (Census) .....	Ann. rate, bil. dol. ....	36.8	40.0	40.0	39.8	NA	39.5	39.7	NA	0.5	NA	-0.5	NA	643
650. Manufacturers' new orders from the U.S. Government, aerospace industries (Census) .....	do .....	20.5	22.8	21.7	21.9	19.9	19.7	19.9	20.1	1.0	1.0	0.9	-9.1	646
653. Average weekly overtime hours, production workers, defense products industries (BLS) <sup>1</sup> .....	Hours .....	15.9	19.1	22.5	17.0	NA	...	...	...	...	...	-24.4	NA	650
654. Accesions, defense products industries (BLS) <sup>1</sup> .....	Number per 100 employees .....	2.2	2.1	1.7	1.5	NA	2.1	NA	NA	NA	NA	-0.2	NA	654
655. Layoffs, defense products industries (BLS) <sup>1</sup> .....	do .....	0.6	0.6	0.7	1.4	NA	1.0	NA	NA	NA	NA	0.7	NA	655
<b>INTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY</b>														
657. Output of defense and space equipment (FRB) .....	1967=100 .....	80.4	82.4	83.7	82.8	81.9	82.4	82.1	81.3	-0.4	-1.0	-1.1	-1.1	657
659. Mfrs.' inventories, defense products (Census) .....	Bil. dol., end of period .....	5.6	6.5	6.5	6.9	NA	7.0	7.1	NA	1.4	NA	6.2	NA	659
661. Mfrs.' unfilled orders, defense products (Census) .....	do .....	20.7	24.6	24.6	25.0	25.0	24.9	24.9	25.0	0.0	0.4	1.6	0.0	661
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census) .....	do .....	16.4	20.7	20.7	20.8	NA	...	...	...	...	...	0.5	NA	664
666. Defense Department progress payments outstanding (DOD)@ .....	do .....	7.4	9.2	9.2	9.6	NA	...	...	...	...	...	4.3	NA	666
Employment in defense products industries (BLS):														
670. Total .....	Thousands .....	1,161	1,161	1,169	1,136	1,114	1,111	1,121	1,109	0.9	-1.1	-2.8	-1.9	670
671. Production workers .....	do .....	616	610	615	567	568	564	574	566	1.6	-1.4	-4.6	-3.2	671
673. Index of aggregate weekly man-hours, defense products industries (BLS) .....	1967=100 .....	69.1	68.4	68.8	66.8	NA	65.7	65.9	NA	0.3	NA	-2.9	NA	673
675. Index of aggregate weekly payrolls, production workers, defense products industries (BLS) .....	do .....	91.9	96.6	100.7	98.1	NA	97.0	98.8	NA	1.9	NA	-2.6	NA	675
Defense Department manpower (DOD):@														
677. Military .....	Thousands, end of period .....	2,202	2,140	2,140	2,137	2,131	2,127	2,124	2,131	-0.1	0.3	-0.1	-0.3	677
678. Civilian .....	do .....	1,026	1,043	1,043	1,034	NA	1,034	1,035	NA	0.1	NA	-0.9	NA	678
Defense Department net outlays (DOD):														
680. Total, military functions and military assistance .....	Ann. rate, bil. dol. ....	76.3	83.6	89.3	86.2	83.3	83.5	89.9	76.4	7.7	-15.0	-3.5	-3.4	680
682. Procurement .....	do .....	15.7	18.5	17.8	17.2	15.2	14.3	16.9	14.5	18.2	-14.2	-3.4	-11.6	682
683. Budget outlays for the national defense function (Treasury) .....	do .....	78.1	84.8	92.0	89.3	NA	87.6	93.5	NA	6.7	NA	-2.9	NA	683
685. Defense Dept. personnel compensation (DOD) .....	do .....	32.4	33.5	34.6	33.7	NA	34.0	34.0	NA	0.0	NA	-2.6	NA	685
688. Mfrs.' shipments, defense products (Census) .....	do .....	18.8	18.9	19.1	20.4	19.9	20.9	20.0	18.8	-4.3	-6.0	6.8	-2.5	668
691. Ratio, manufacturers' unfilled orders to shipments, defense products (Census) .....	Ratio .....	14.4	15.2	15.6	16.2	NA	...	...	...	...	...	3.8	NA	689
693. Ratio, manufacturers' inventories to shipments, defense products (Census) .....	do .....	12.7	14.5	15.3	14.6	15.0	14.3	14.9	15.9	4.2	6.7	-4.6	2.7	691
DEFENSE-RELATED BALANCE OF PAYMENTS COMPONENTS														
546. Transfers under U.S. military agency sales contracts—exports (BEA) <sup>1</sup> .....	Ann. rate, mil. dol. ....	2,342	2,944	3,348	3,792	NA	...	...	...	...	...	444	NA	546
547. Direct defense expenditures—imports (BEA) <sup>1</sup> @ .....	do .....	4,656	5,103	5,340	5,180	NA	...	...	...	...	...	-160	NA	547
696. U.S. Government cash receipts associated with military sales contracts (BEA) <sup>1</sup> .....	do .....	2,290	2,957	3,048	4,500	NA	...	...	...	...	...	1,452	NA	696

NOTE: This table is presented as a convenient summary of the current data for many of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where available, annual figures are those published by the source agencies; otherwise they (and the quarterly figures for monthly series) are averages or totals of the data as shown in the data tables. Series are seasonally adjusted except for those indicated by @, which appear to contain no seasonal movement.

NA = not available.

<sup>1</sup>Differences rather than percent changes are shown for this series.

## Gross National Product and National Defense Purchases



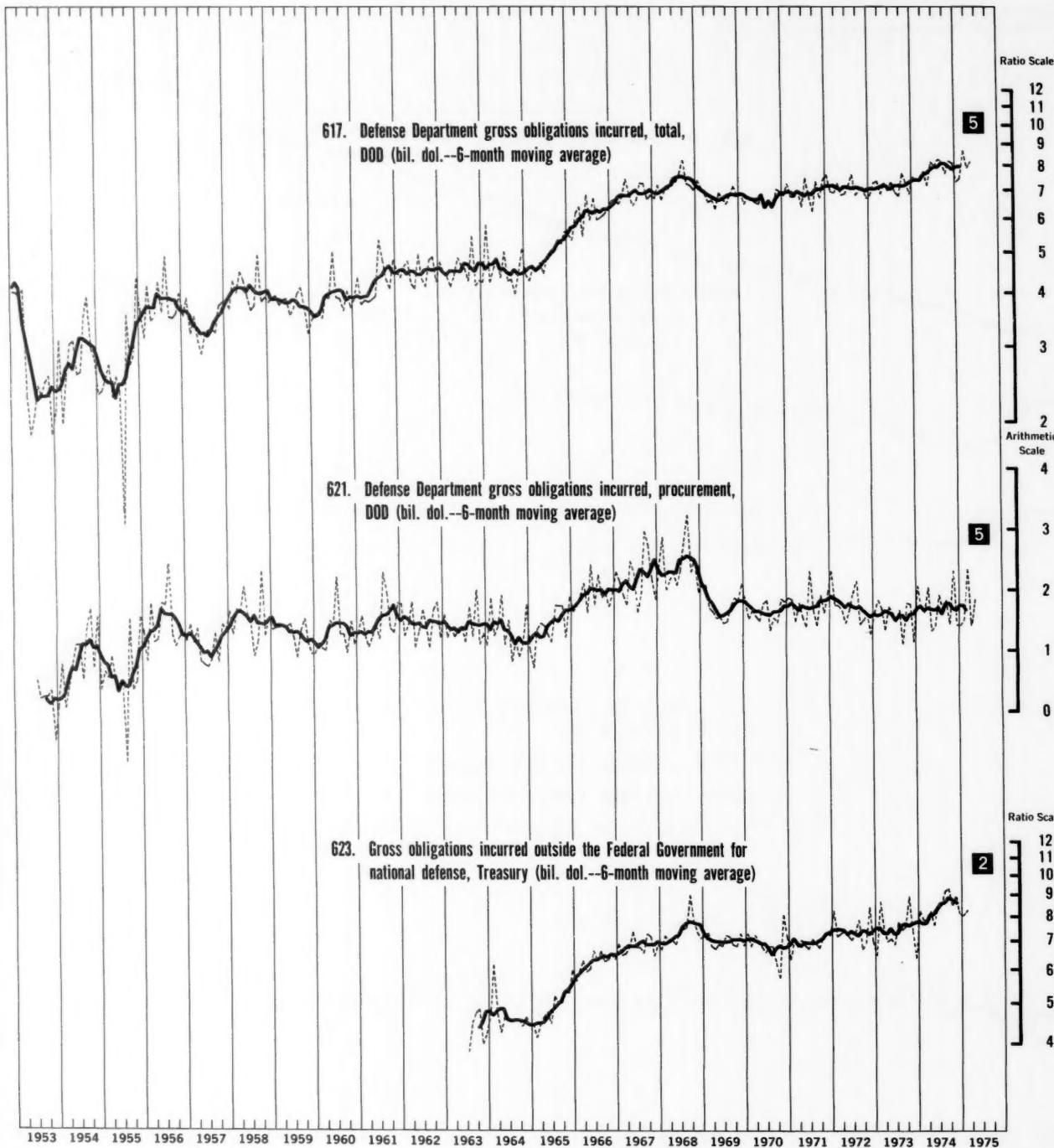
Current data for these series are shown on page 14.

## defense indicators

CHART

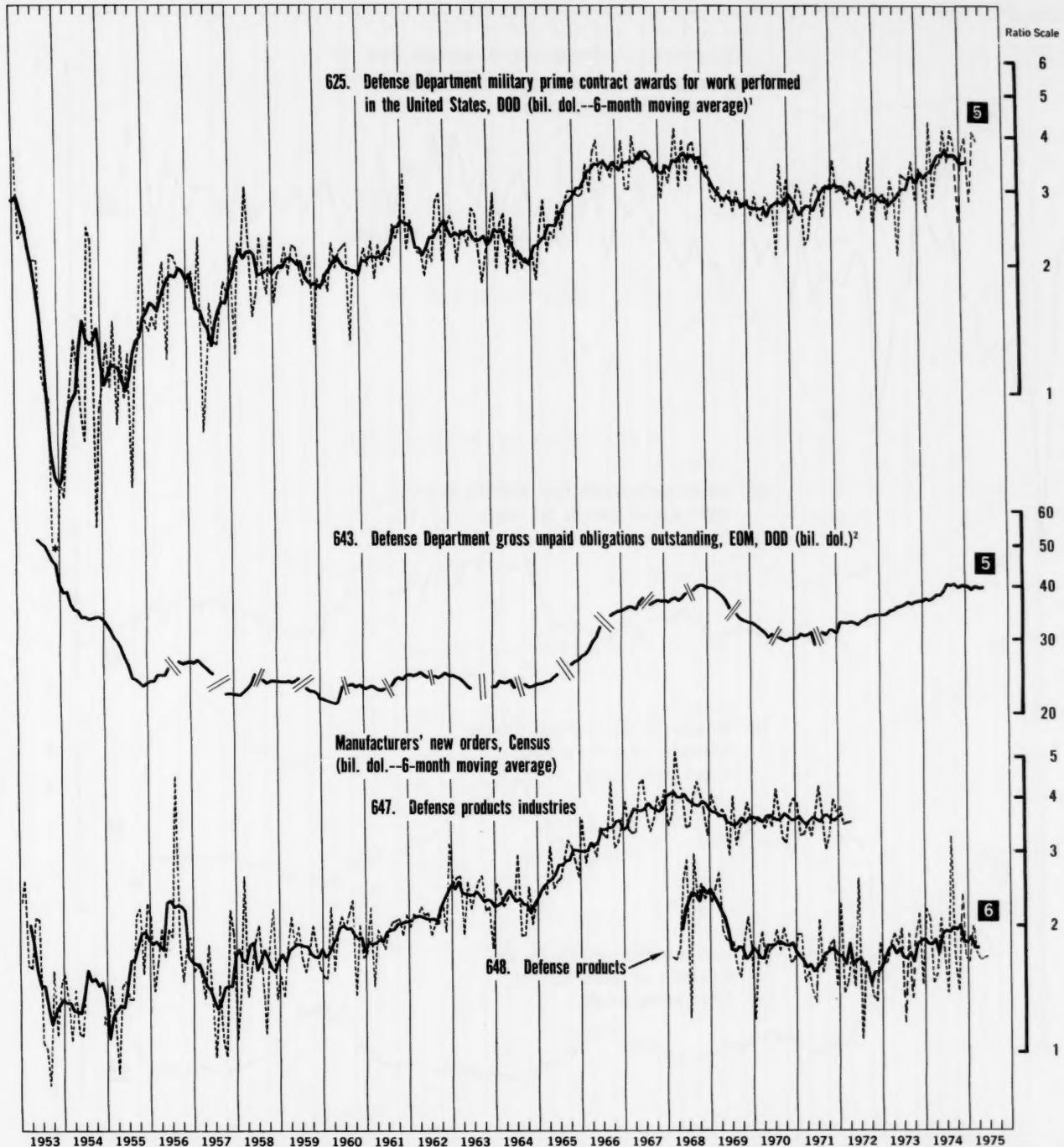
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### Advance Indicators of Defense Activity



Current data for these series are shown on pages 15 and 16.

## Advance Indicators of Defense Activity--Continued

<sup>1</sup>Data prior to July 1955 exclude orders written to other Government agencies.<sup>2</sup>Data for the following months not available: July of 1956-71; August of 1956-57 and 1963-66; September of 1957, 1963, and 1965; and October and November of 1963.

\*Contract awards for November 1953-\$265 million; December 1953-\$390 million.

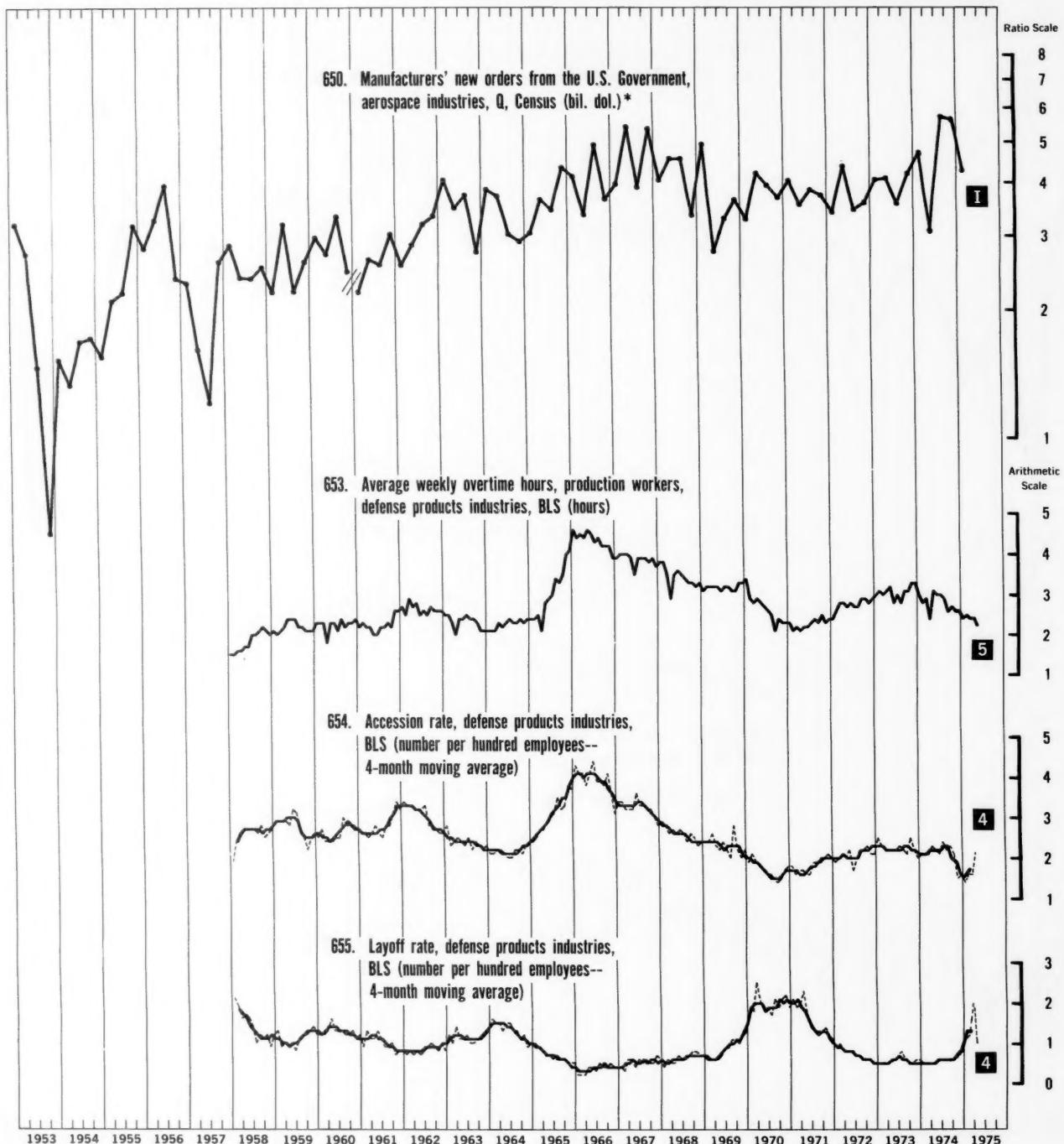
Current data for these series are shown on pages 16 and 20.

defense indicators

CHART

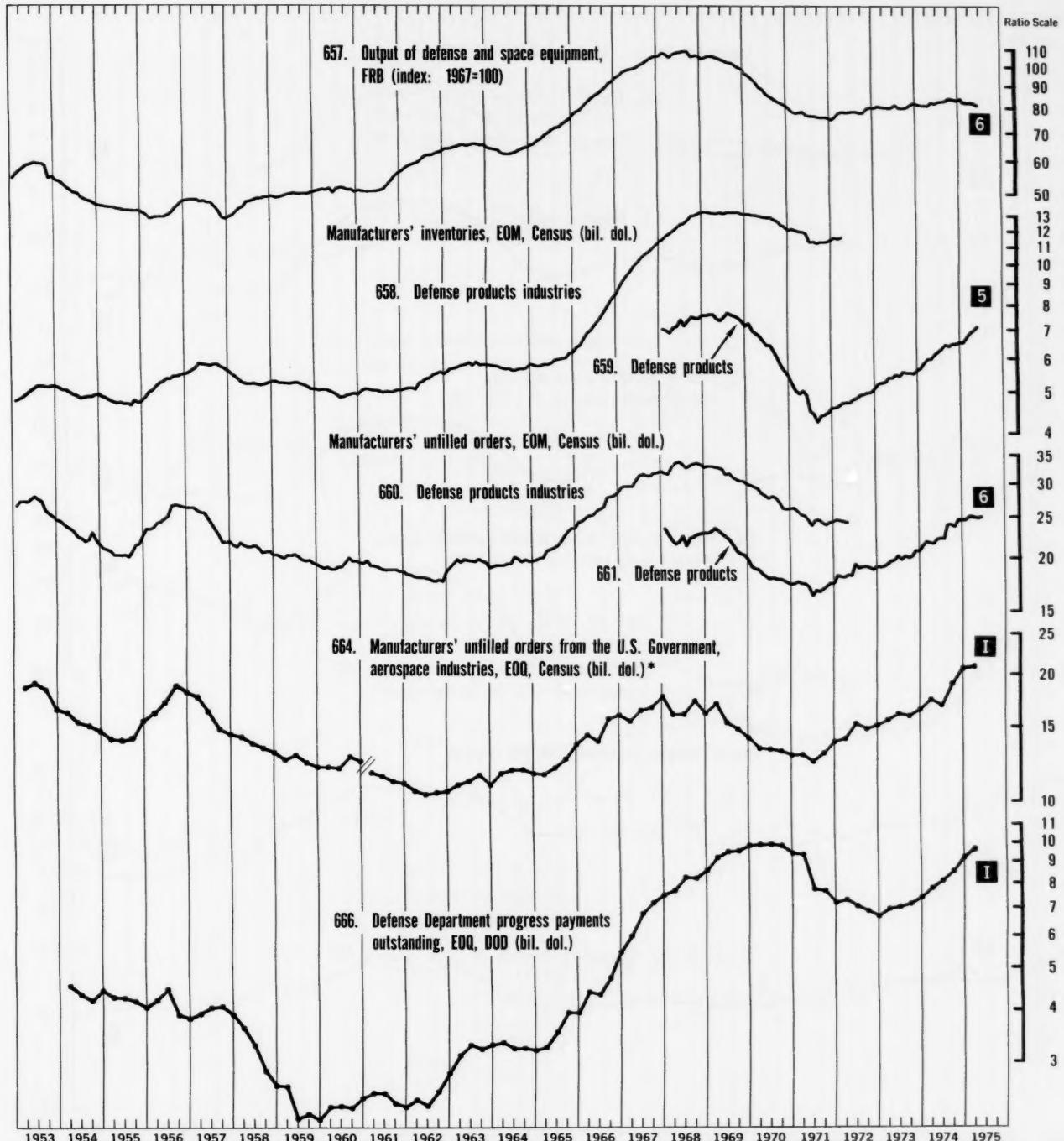
**2**

Advance Indicators of Defense Activity--Continued



\*Data prior to 1961 include orders from non-Government customers.  
Current data for these series are shown on pages 20 and 21.

## Intermediate and Final Indicators of Defense Activity

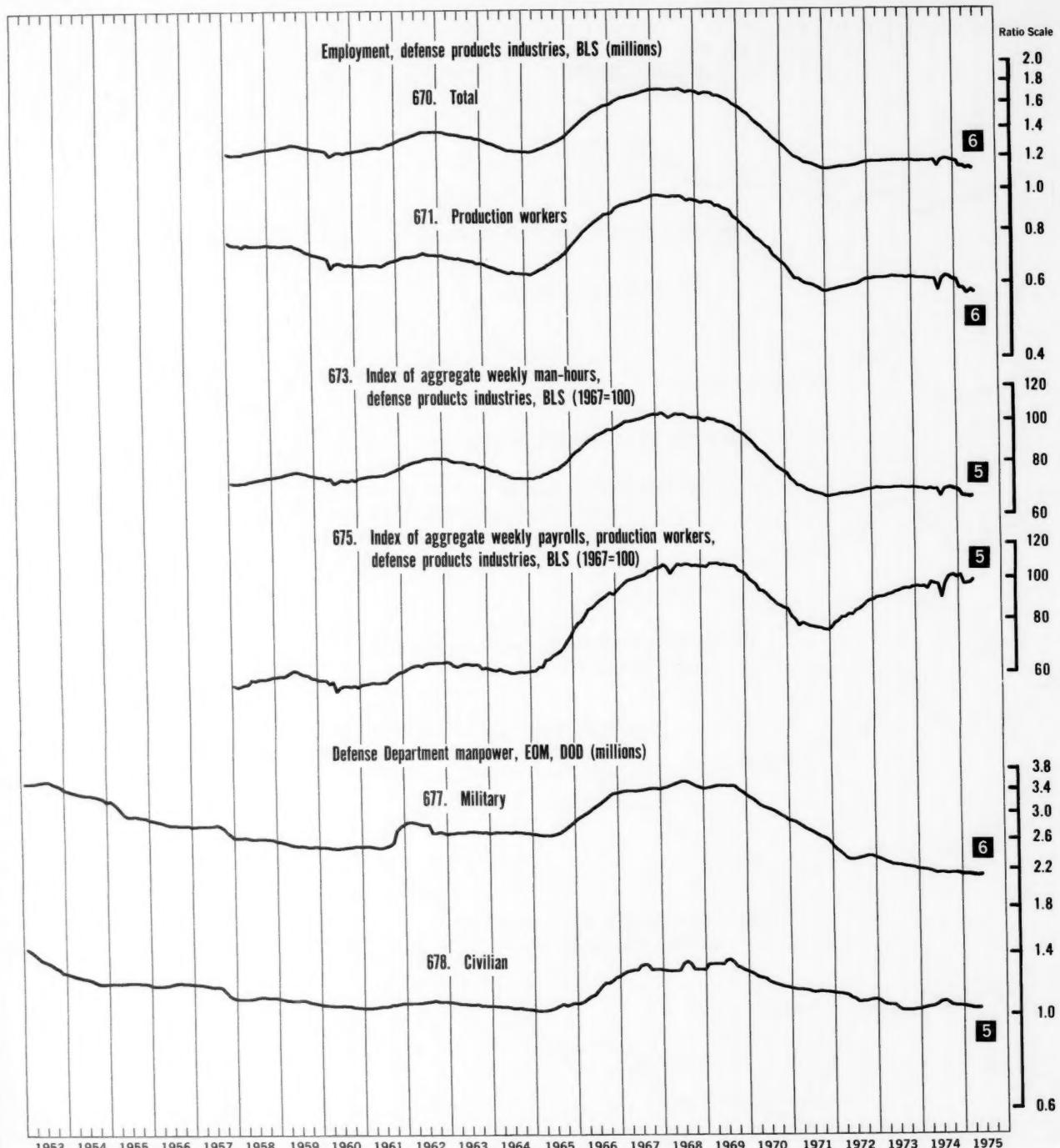


\* Data prior to 1961 include orders from non-Government customers.  
Current data for these series are shown on page 22.

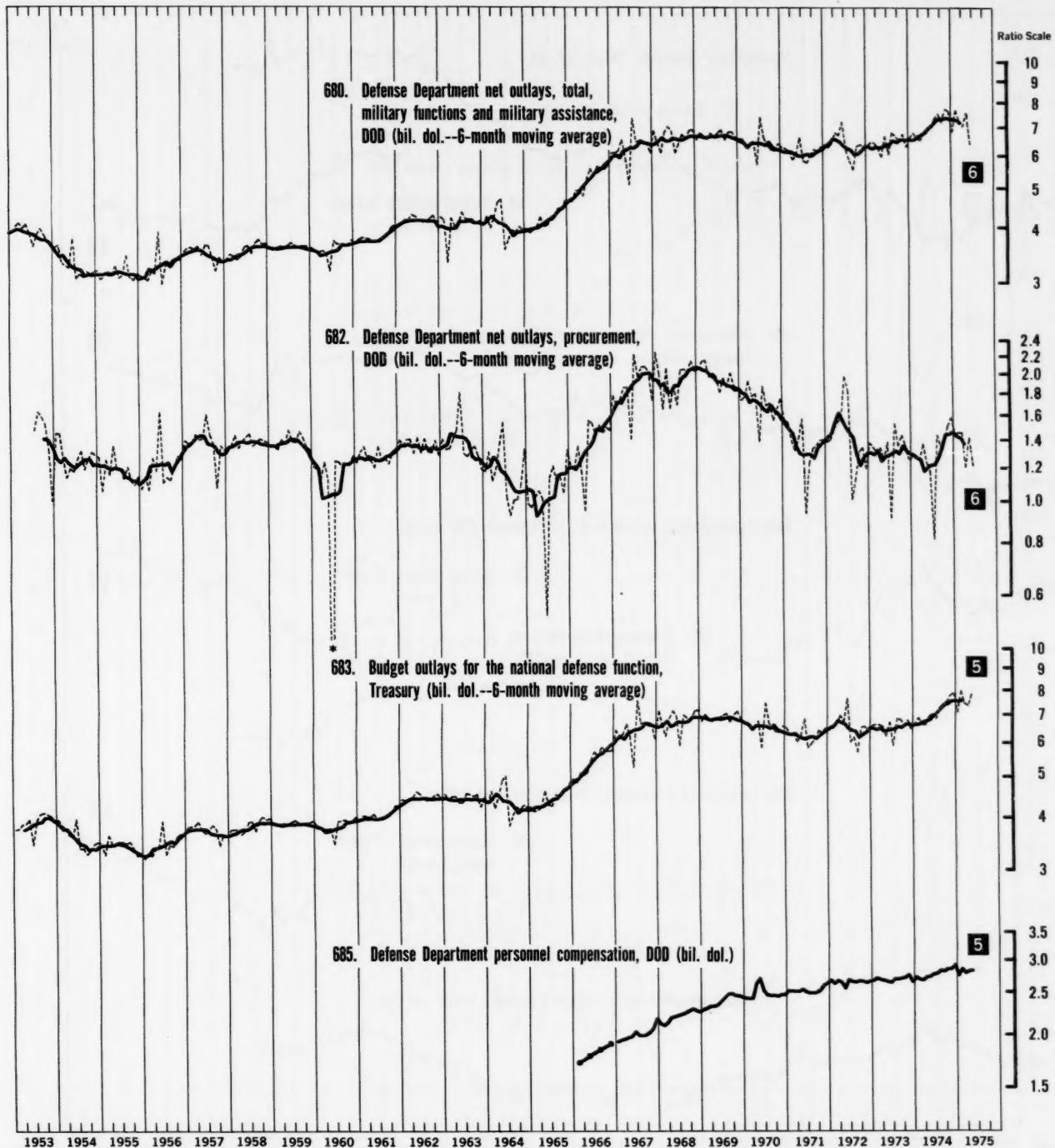
defense indicators

CHART  
3

Intermediate and Final Indicators of Defense Activity--Continued



## Intermediate and Final Indicators of Defense Activity--Continued

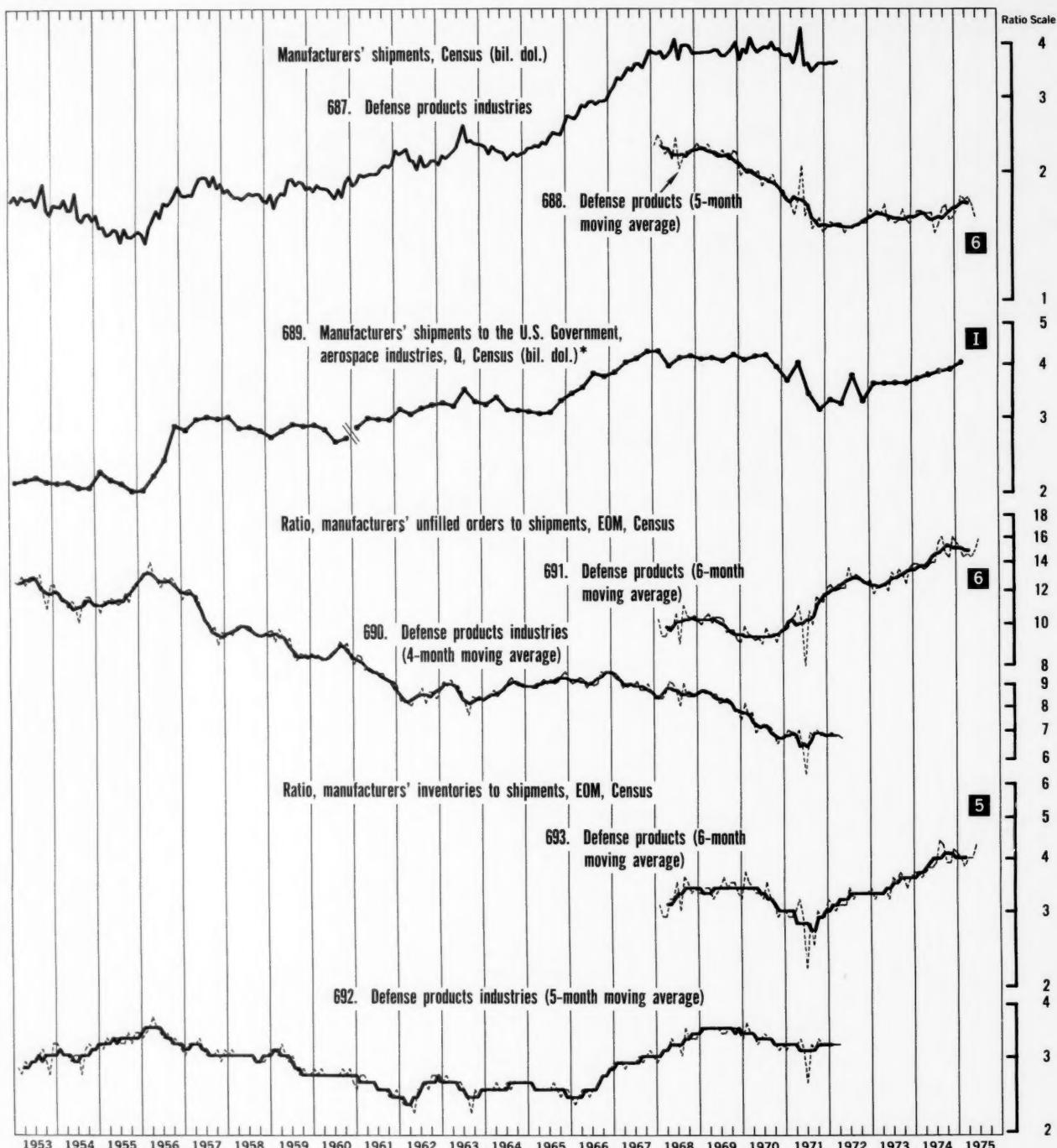


\* Net expenditures for procurement, June 1960--\$245 million.  
Current data for these series are shown on pages 24 and 25.

defense indicators

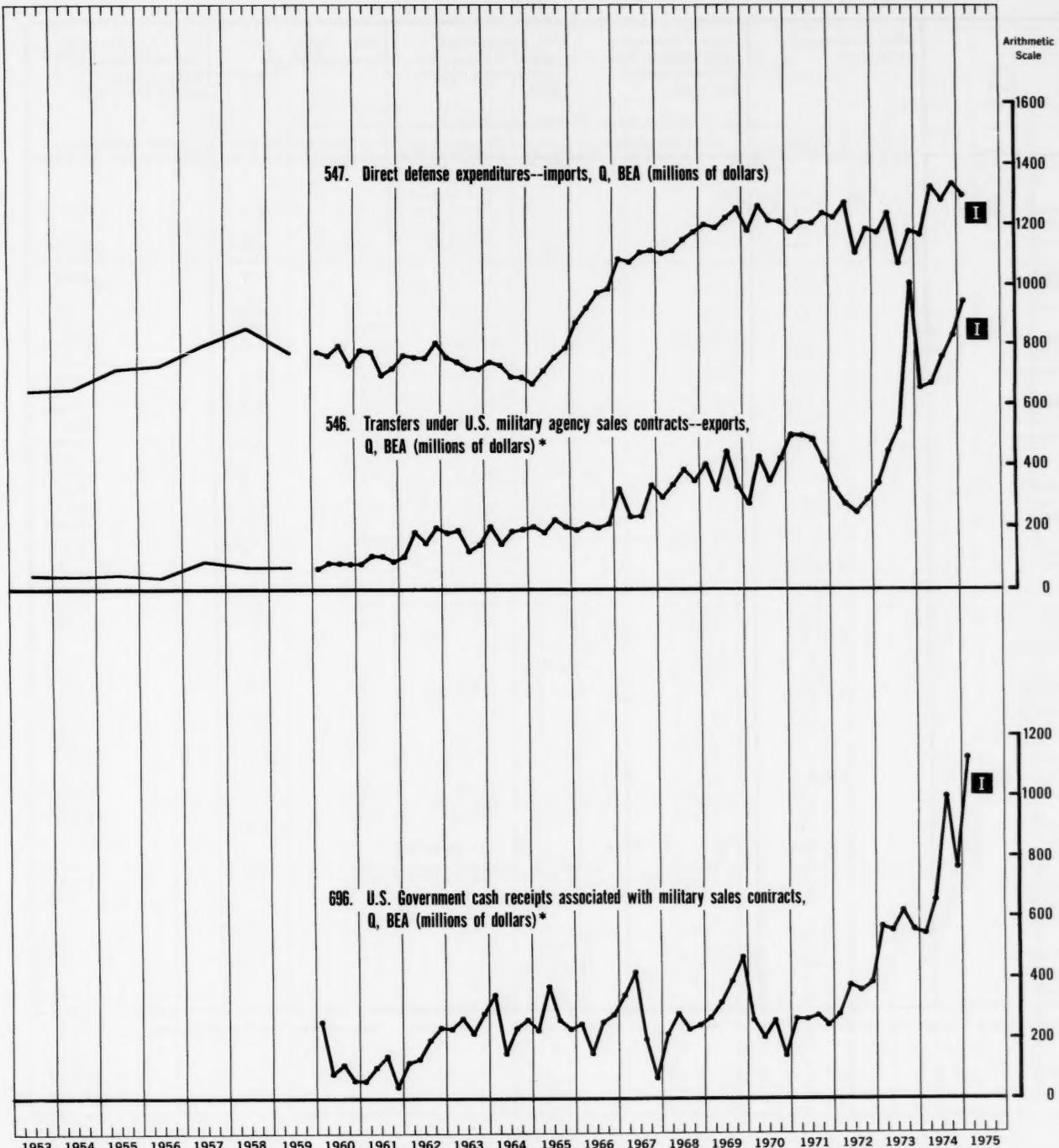
CHART  
3

Intermediate and Final Indicators of Defense Activity--Continued



\*Data prior to 1961 include shipments to non-Government customers.  
Current data for these series are shown on page 26.

## Defense-Related Balance of Payments Components



\*See footnotes 1 and 2 on page 27.  
Current data for these series are shown on page 27.

## defense indicators

TABLE  
1

### Gross National Product and National Defense Purchases

Year and month	200(a). Gross national product, BEA*	264(a). Federal Government purchases of goods and services, national defense, BEA*	613. National defense purchases as a percent of gross national product, BEA*	200(b). Change in gross national product, BEA*	264(b). Change in Federal Government purchases of goods and services, national defense, BEA*
	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)	(Percent)	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)
1973					
January .....	1,248.9	75.0	6.0	44.2	0.3
February .....	...	...	...	...	...
March .....	...	...	...	...	...
April .....	1,277.9	74.0	5.8	29.0	-1.0
May .....	1,277.9	74.0	5.8	...	...
June .....	...	...	...	...	...
July .....	1,308.9	73.3	5.6	31.0	-0.7
August .....	1,308.9	73.3	5.6	...	...
September .....	...	...	...	...	...
October .....	...	...	...	35.1	2.0
November .....	1,344.0	75.3	5.6	...	...
December .....	...	...	...	...	...
1974					
January .....	...	...	...	14.8	0.5
February .....	1,358.8	75.8	5.6	...	...
March .....	...	...	...	...	...
April .....	1,383.8	76.6	5.5	25.0	0.8
May .....	1,383.8	76.6	5.5	...	...
June .....	...	...	...	...	...
July .....	1,416.3	78.4	5.5	32.5	1.8
August .....	1,416.3	78.4	5.5	...	...
September .....	...	...	...	...	...
October .....	...	...	...	14.6	5.6
November .....	1,430.9	84.0	5.9	...	...
December .....	...	...	...	...	...
1975					
January .....	1,416.6	84.7	6.0	-14.3	0.7
February .....	...	...	...	...	...
March .....	...	...	...	...	...
April .....	...	...	...	p16.8	p0.7
May .....	p1,433.4	p85.4	p6.0		
June .....					
July .....					
August .....					
September .....					
October .....					
November .....					
December .....					

Note: All data on this page are seasonally adjusted.

NA=not available;

p=preliminary;

r=revised;

e=estimated.

\*Indicates series shown in charts. (See page 5.)

## Advance Indicators of Defense Activity

Year and month	Defense Department gross obligations incurred, DOD							
	617. Total			619. Operations		621. Procurement		
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973								
January .....	7,414	6,827	7,051	4,688	4,494	1,815	1,631	1,595
February .....	6,691	7,283	7,026	4,097	4,656	1,785	1,838	1,569
March .....	6,716	7,362	7,053	4,174	4,427	1,435	1,704	1,588
April .....	6,342	6,865	7,101	4,522	4,445	1,028	1,349	1,648
May .....	5,997	7,275	7,181	4,195	4,393	1,171	1,730	1,623
June .....	9,327	6,992	7,123	5,122	4,471	2,871	1,633	1,596
July .....	8,180	7,312	7,028	5,334	4,679	1,019	1,483	1,495
August .....	7,505	6,932	7,162	4,634	4,552	1,393	1,676	1,568
September .....	6,289	6,790	7,169	4,201	4,429	1,168	1,099	1,575
October .....	8,074	7,671	7,145	5,024	4,716	2,105	1,788	1,494
November .....	6,917	7,315	7,181	4,346	4,652	1,714	1,771	1,593
December .....	6,041	6,850	7,259	4,133	4,643	1,321	1,149	1,599
1974								
January .....	8,113	7,527	7,374	4,991	4,714	2,337	2,077	1,689
February .....	6,826	7,398	7,390	4,187	4,758	1,677	1,708	1,731
March .....	6,613	7,485	7,368	4,377	4,699	1,381	1,642	1,658
April .....	7,375	7,762	7,588	4,982	4,804	1,546	2,040	1,702
May .....	6,104	7,187	7,664	4,434	4,662	894	1,330	1,675
June .....	10,110	8,166	7,810	6,170	5,466	2,465	1,412	1,672
July .....	9,285	7,983	7,926	5,901	5,110	1,332	1,919	1,706
August .....	8,874	8,279	7,912	5,224	5,203	1,416	1,692	1,607
September .....	7,790	8,179	8,083	4,771	5,040	1,919	1,842	1,777
October .....	7,965	7,681	8,075	5,394	4,999	1,709	1,446	1,780
November .....	7,600	8,211	7,968	4,471	4,786	2,281	2,349	1,697
December .....	7,260	8,116	7,832	4,826	5,334	1,646	1,431	1,667
1975								
January .....	8,252	7,341	7,916	5,471	5,148	1,895	1,424	1,751
February .....	6,904	7,467	7,958	4,604	5,220	1,569	1,509	1,748
March .....	7,526	8,677	7,956	4,787	5,251	1,994	2,349	1,665
April .....	7,403	7,933	(NA)	5,424	5,209	1,147	1,425	(NA)
May .....	6,796	8,199	(NA)	4,761	5,121	1,147	1,850	(NA)
June .....								
July .....								
August .....								
September .....								
October .....								
November .....								
December .....								

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 6.)

## defense indicators

TABLE

**2**

### Advance Indicators of Defense Activity--Continued

Year and month	623. Gross obligations incurred outside the Federal Government for national defense, Treasury		Defense Department military prime contract awards for work performed in the United States, DOD							
			625. Total			626. Aircraft		627. Missile and space systems		
	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973										
January .....	6,496	7,490	2,578	2,824	2,956	728	...	377	...	
February .....	8,706	7,501	2,418	2,899	2,893	328	1,942	297	1,306	
March .....	7,421	7,281	2,841	2,947	2,824	721	...	504	...	
April .....	6,986	p7,264	1,854	2,568	2,884	122	...	233	...	
May .....	7,098	p7,477	2,489	3,171	2,765	866	1,948	129	967	
June .....	p6,877	p7,266	5,122	2,897	2,828	1,243	...	349	...	
July .....	7,773	p7,294	2,357	2,106	2,873	396	...	207	...	
August .....	7,441	p7,619	3,224	3,276	2,975	611	1,804	921	1,200	
September .....	7,588	p7,672	3,309	3,222	3,032	867	...	435	...	
October .....	8,935	7,592	3,198	3,176	3,024	939	...	368	...	
November .....	7,417	7,674	2,967	3,515	3,236	686	2,150	283	1,138	
December .....	6,396	7,746	2,944	2,850	3,214	316	...	563	...	
1974										
January .....	8,264	7,784	3,084	3,378	3,123	1,093	...	206	...	
February .....	7,874	7,673	2,613	3,141	3,317	598	2,424	305	844	
March .....	7,819	7,712	2,602	2,677	3,212	517	...	255	...	
April .....	8,270	p8,068	3,127	4,343	3,310	459	...	303	...	
May .....	7,647	p8,112	2,250	2,881	3,329	308	1,104	297	1,271	
June .....	p8,534	p8,333	6,086	3,440	3,498	502	...	323	...	
July .....	8,526	p8,584	3,924	3,494	3,636	1,089	...	618	...	
August .....	9,202	p8,623	4,091	4,153	3,605	591	2,446	430	1,448	
September .....	9,326	p8,842	3,586	3,502	3,754	866	...	848	...	
October .....	8,503	8,776	4,165	4,161	3,603	1,156	...	410	...	
November .....	8,963	8,700	3,207	3,777	3,636	856	2,900	434	1,107	
December .....	8,139	8,545	2,616	2,532	3,609	569	...	361	...	
1975										
January .....	8,069	(NA)	3,567	3,693	3,494	1,062	...	346	...	
February .....	8,271	(NA)	3,321	3,987	3,488	509	2,147	276	980	
March .....			2,625	2,817	3,513	421	...	244	...	
April .....			2,914	4,122	(NA)	316	...	377	...	
May .....			2,713	3,926	(NA)	386	(NA)	242	(NA)	
June .....			(NA)							
July .....										
August .....										
September .....										
October .....										
November .....										
December .....										

NA=not available; p=preliminary; r=revised; e=estimated.

\*Indicates series shown in charts. (See pages 6 and 7.)

## Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD—Continued						
	628. Ships, not seasonally adjusted	629. Weapons and ammunition		630. Electronic and communications equipment		631. Combat vehicles	
		Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January .....	84	207	...	214	...	14	...
February .....	378	226	658	215	939	11	60
March .....	85	195	...	420	...	11	...
April .....	82	150	...	237	...	12	...
May .....	78	184	725	351	959	15	65
June .....	139	566	...	654	...	54	...
July .....	337	21	...	131	...	50	...
August .....	220	81	436	354	990	24	80
September .....	203	114	...	313	...	27	...
October .....	161	105	...	248	...	116	...
November .....	465	106	310	392	900	21	214
December .....	588	192	...	261	...	56	...
1974							
January .....	52	135	...	311	...	102	...
February .....	212	244	541	415	1,013	5	253
March .....	103	142	...	206	...	40	...
April .....	190	170	...	403	...	129	...
May .....	155	123	680	270	1,110	98	502
June .....	1,175	554	...	732	...	404	...
July .....	230	37	...	321	...	59	...
August .....	625	72	453	402	1,316	104	249
September .....	134	111	...	352	...	151	...
October .....	210	122	...	598	...	25	...
November .....	328	114	334	349	1,239	22	126
December .....	109	165	...	254	...	81	...
1975							
January .....	325	125	...	414	...	21	...
February .....	251	160	515	331	1,379	66	288
March .....	11	217	...	535	...	52	...
April .....	621	147	...	313	...	23	...
May .....	94	128	(NA)	587	(NA)	86	(NA)
June .....	(NA)	(NA)		(NA)		(NA)	
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

NA=not available; p=preliminary; r=revised; e=estimated.

## defense indicators

TABLE  
**2**

### Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD—Continued							
	632. Other hard goods		633. Soft goods		634. Construction		635. Services	
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973								
January .....	140	...	141	...	103	...	154	...
February .....	141	458	112	519	205	484	140	755
March .....	130	...	102	...	131	...	152	...
April .....	145	...	113	...	153	...	195	...
May .....	128	480	97	488	151	442	137	776
June .....	393	...	158	...	493	...	446	...
July .....	65	...	489	...	34	...	341	...
August .....	117	432	177	553	111	377	265	653
September .....	106	...	186	...	101	...	252	...
October .....	133	...	154	...	147	...	388	...
November .....	142	365	235	600	54	450	161	663
December .....	108	...	228	...	86	...	178	...
1974								
January .....	128	...	297	...	90	...	204	...
February .....	111	467	145	1,374	52	258	138	900
March .....	179	...	487	...	92	...	181	...
April .....	294	...	344	...	248	...	166	...
May .....	139	564	214	1,081	58	504	168	846
June .....	352	...	256	...	604	...	524	...
July .....	163	...	338	...	131	...	451	...
August .....	158	677	819	890	148	601	303	762
September .....	129	...	219	...	112	...	233	...
October .....	108	...	267	...	138	...	446	...
November .....	127	391	226	692	126	578	185	742
December .....	135	...	222	...	104	...	181	...
1975								
January .....	154	...	217	...	168	...	307	...
February .....	143	497	704	1,489	134	481	341	1,396
March .....	152	...	191	...	127	...	201	...
April .....	147	...	164	...	156	...	190	...
May .....	165	(NA)	121	(NA)	291	(NA)	211	(NA)
June .....	(NA)		(NA)		(NA)		(NA)	
July .....								
August .....								
September .....								
October .....								
November .....								
December .....								

NA=not available; p=preliminary; r=revised; e=estimated.

## Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD—Continued					640. Defense Department military prime contract awards for work outside the United States, DOD	
	636. Contracts under \$10,000		637. Educational and nonprofit institutions		638. Civilian Health and Medical Program of the Uniformed Services (CHAMPUS), not seasonally adjusted		
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January .....	341	...	41	...	34	156	...
February .....	320	1,003	45	152	0	151	527
March .....	334	...	43	...	13	125	...
April .....	356	...	46	...	10	213	...
May .....	319	977	35	168	-1	83	645
June .....	551	...	76	...	0	264	...
July .....	225	...	61	...	0	368	...
August .....	210	997	123	259	10	244	497
September .....	390	...	86	...	229	159	...
October .....	319	...	85	...	35	194	...
November .....	335	1,059	87	169	0	240	833
December .....	326	...	29	...	13	186	...
1974							
January .....	327	...	76	...	63	160	...
February .....	333	996	55	224	0	114	594
March .....	329	...	58	...	13	198	...
April .....	384	...	37	...	0	80	...
May .....	382	1,066	38	156	0	94	559
June .....	570	...	70	...	20	333	...
July .....	225	...	162	...	100	421	...
August .....	321	1,116	118	316	0	448	632
September .....	380	...	51	...	0	120	...
October .....	399	...	46	...	240	190	...
November .....	374	1,204	59	159	7	93	559
December .....	343	...	92	...	0	111	...
1975							
January .....	372	...	51	...	5	114	...
February .....	345	1,144	61	206	0	93	388
March .....	419	...	53	...	2	96	...
April .....	418	...	42	...	0	73	...
May .....	367	(NA)	35	(NA)	0	86	(NA)
June .....					(NA)		
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

NA=not available; p=preliminary; r=revised; e=estimated.

## defense indicators

TABLE

**2**

### Advance Indicators of Defense Activity--Continued

Year and month	Defense Department gross unpaid obligations outstanding, DOD						648. Manufacturers' new orders, defense products, Census	650. Manufac- turers' new orders from the U.S. Govern- ment, aerospace industries, Census, seasonally adjusted*		
	643. Total		644. Operations		645. Procurement					
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted				
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)		
1973										
January .....	35,171	34,280	5,741	5,381	22,326	21,718	1,618	1,589		
February .....	35,287	34,426	5,589	5,523	22,721	21,953	1,633	1,680		
March .....	34,766	34,976	5,273	5,586	22,469	22,291	1,804	1,758		
April .....	34,297	35,140	5,424	5,807	22,044	22,244	1,900	1,783		
May .....	33,409	35,693	5,227	5,886	21,753	22,565	1,789	1,709		
June .....	34,621	35,877	5,301	6,044	22,806	22,558	1,956	1,754		
July .....	e35,500	e36,188	e6,200	e6,385	e22,100	e22,620	1,175	1,676		
August .....	37,069	36,666	6,754	6,420	22,432	22,960	1,898	1,664		
September .....	36,829	36,285	6,719	6,454	22,195	22,556	1,338	1,720		
October .....	38,039	36,682	7,519	6,660	22,679	22,656	1,827	1,635		
November .....	37,680	36,869	7,193	6,673	22,877	22,763	2,124	1,803		
December .....	37,244	36,839	7,064	6,994	22,932	22,615	1,450	1,831		
1974										
January .....	38,249	37,280	7,425	6,959	23,791	23,143	2,183	1,852		
February .....	37,963	37,001	7,055	6,964	24,032	23,175	2,064	1,802		
March .....	37,249	37,436	6,779	7,189	23,847	23,634	1,462	1,794		
April .....	37,264	38,141	7,044	7,550	23,778	23,970	1,527	1,844		
May .....	35,601	38,076	6,476	7,301	23,123	23,987	2,079	1,710		
June .....	37,545	38,947	7,373	8,417	23,994	23,756	1,752	1,904		
July .....	e39,626	e40,435	e8,149	e8,392	e24,316	e24,914	1,377	1,940		
August .....	40,594	40,152	8,426	8,010	23,791	24,351	3,229	1,919		
September .....	41,055	40,488	8,311	7,991	24,283	24,703	1,678	1,965		
October .....	41,201	39,731	8,607	7,610	24,361	24,337	1,401	1,951		
November .....	40,949	40,068	7,906	7,334	25,147	25,022	2,351	1,994		
December .....	40,407	40,047	7,654	7,556	25,199	25,024	1,668	1,813		
1975										
January .....	40,819	39,823	7,997	7,495	25,484	24,838	1,635	1,817		
February .....	40,008	39,147	7,520	7,460	25,452	24,568	2,147	1,857		
March .....	39,473	39,791	7,169	7,651	25,688	25,259	1,702	r1,742		
April .....	38,589	39,457	7,276	7,807	24,932	24,957	1,639	p1,743		
May .....	37,120	39,658	6,746	7,666	24,321	25,099	rl,659	(NA)		
June .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	pl,675	(NA)		
July .....										
August .....										
September .....										
October .....										
November .....										
December .....										

NA=not available; p=preliminary; r=revised; e=estimated.

\*Indicates series shown in charts. (See pages 7 and 8.)

## Advance Indicators of Defense Activity--Continued

Year and month	653. Average weekly overtime hours, production workers, defense products industries, BLS		654. Accession rate, defense products industries, BLS			655. Layoff rate, defense products industries, BLS		
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 4-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 4-month*
	(Hours)	(Hours)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)
1973								
January .....	2.9	3.0	2.5	2.5	2.3	0.8	0.5	0.5
February .....	3.0	3.1	2.0	2.3	2.3	0.6	0.5	0.5
March .....	2.9	3.0	2.0	2.2	2.3	0.7	0.5	0.5
April .....	2.8	3.1	2.0	2.2	2.2	0.6	0.5	0.5
May .....	2.9	3.2	2.2	2.2	2.2	0.5	0.6	0.6
June .....	2.8	2.8	2.9	2.2	2.2	0.5	0.7	0.6
July .....	2.7	3.0	2.5	2.3	2.2	0.6	0.8	0.7
August .....	2.8	2.8	2.6	2.2	2.2	0.5	0.6	0.6
September .....	3.4	3.1	2.4	2.1	2.3	0.4	0.5	0.6
October .....	3.2	3.1	2.5	2.5	2.3	0.6	0.5	0.5
November .....	3.6	3.3	2.0	2.2	2.2	0.7	0.6	0.5
December .....	3.7	3.3	1.3	2.0	2.2	0.5	0.6	0.5
1974								
January .....	2.9	3.0	2.1	2.1	2.1	0.7	0.5	0.5
February .....	2.7	2.8	1.8	2.1	2.1	0.6	0.5	0.5
March .....	2.8	2.9	1.9	2.1	2.1	0.6	0.5	0.5
April .....	2.1	2.4	2.1	2.3	2.2	0.6	0.5	0.5
May .....	2.8	3.1	2.2	2.2	2.2	0.5	0.6	0.5
June .....	3.0	3.0	2.8	2.1	2.2	0.5	0.6	0.6
July .....	2.7	3.0	2.6	2.4	2.2	0.4	0.6	0.6
August .....	2.8	2.9	2.6	2.2	2.3	0.5	0.6	0.6
September .....	2.9	2.6	2.6	2.3	2.3	0.5	0.6	0.6
October .....	2.8	2.7	2.1	2.1	2.0	0.7	0.6	0.6
November .....	2.9	2.6	1.3	1.5	1.9	0.8	0.7	0.7
December .....	3.0	2.6	0.9	1.6	1.6	0.8	0.8	0.8
1975								
January .....	2.3	2.4	1.4	1.4	1.5	1.2	1.1	1.0
February .....	2.4	2.5	1.3	1.6	1.6	1.3	1.2	1.3
March .....	2.3	2.4	1.4	1.6	1.7	2.1	2.0	1.3
April .....	2.1	2.4	1.9	2.1	(NA)	1.0	1.0	(NA)
May .....	p2.0	p2.2	(NA)	(NA)		(NA)	(NA)	
June .....	(NA)							
July .....								
August .....								
September .....								
October .....								
November .....								
December .....								

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 8.)

## defense indicators

TABLE

**3**

### Intermediate and Final Indicators of Defense Activity

Year and month	657. Output of defense and space equipment, FRB, seasonally adjusted*	659. Manufacturers' inventories, defense products, Census, seasonally adjusted*	661. Manufacturers' unfilled orders, defense products, Census, seasonally adjusted*	664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries, Census, seasonally adjusted*	666. Defense Department progress payments out- standing, DOD, not seasonally adjusted*	670. Employment in defense products industries, total, BLS	
	(Index: 1967=100)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Thous.)	(Thous.)
1973							
January .....	79.8	5,210	19,060	...	...	1,160	1,156
February .....	80.6	5,248	19,123	...	...	1,160	1,159
March .....	80.1	5,266	19,343	15,533	6,942	1,156	1,158
April .....	80.0	5,384	19,659	...	...	1,154	1,159
May .....	79.7	5,384	19,780	...	...	1,152	1,160
June .....	80.1	5,477	20,211	16,084	7,026	1,159	1,162
July .....	81.1	5,434	19,824	...	...	1,158	1,163
August .....	79.7	5,555	20,210	...	...	1,159	1,165
September .....	79.8	5,528	20,013	15,904	7,139	1,166	1,163
October .....	80.0	5,531	20,215	...	...	1,168	1,164
November .....	80.9	5,508	20,797	...	...	1,172	1,162
December .....	81.9	5,615	20,740	16,448	7,385	1,172	1,165
1974							
January .....	81.4	5,679	21,372	...	...	1,167	1,163
February .....	80.9	5,837	21,827	...	...	1,160	1,159
March .....	81.0	5,966	21,678	r17,378	7,781	1,158	1,160
April .....	80.6	5,978	21,622	...	...	1,157	1,162
May .....	82.2	6,119	22,107	...	...	1,153	1,161
June .....	81.7	6,201	22,261	r16,847	8,104	1,159	1,162
July .....	82.6	6,303	22,208	...	...	1,160	1,166
August .....	82.7	6,431	23,941	...	...	1,123	1,129
September .....	83.1	6,377	23,979	r19,002	8,531	1,168	1,166
October .....	84.1	6,463	23,715	...	...	1,179	1,175
November .....	83.7	6,477	24,530	...	...	1,179	1,170
December .....	83.4	6,543	24,612	r20,662	9,166	1,168	1,161
1975							
January .....	83.8	6,503	24,603	...	...	1,162	1,159
February .....	82.4	6,714	24,998	...	...	1,125	1,124
March .....	82.1	6,867	24,986	p20,809	9,609	1,122	1,124
April .....	r82.4	6,978	24,883	...	...	r1,106	r1,111
May .....	r82.1	7,110	r24,875	...	...	r1,114	r1,121
June .....	p81.3	(NA)	p24,979	(NA)	(NA)	p1,107	p1,109
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

NA=not available; p=preliminary; r=revised;

e=estimated.

\*Indicates series shown in charts (See pages 9 and 10.)

**Intermediate and Final Indicators of Defense Activity--Continued**

Year and month	671. Employment in defense products industries, production workers, BLS		673. Index of aggregate weekly man-hours, defense products industries, BLS		675. Index of aggregate weekly payrolls, production workers, defense products industries, BLS	
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)
1973						
January .....	615	611	68.7	68.6	83.7	88.5
February .....	616	614	69.1	69.1	89.9	89.7
March .....	614	615	68.8	68.8	89.9	89.3
April .....	612	615	68.4	69.0	88.9	90.2
May .....	610	615	68.5	69.0	89.7	91.0
June .....	614	617	68.9	69.0	90.3	91.4
July .....	614	620	68.4	69.2	89.7	92.4
August .....	612	618	68.6	69.2	91.2	92.9
September .....	618	617	69.5	69.3	94.5	93.8
October .....	620	618	69.4	69.1	94.8	94.2
November .....	621	614	70.0	69.0	96.4	94.0
December .....	625	618	70.4	69.2	99.2	95.1
1974						
January .....	620	616	69.0	68.9	95.4	95.2
February .....	615	613	68.7	68.7	95.1	94.8
March .....	612	613	68.7	68.7	95.6	95.4
April .....	610	613	67.7	68.3	92.6	93.9
May .....	606	611	68.4	68.8	96.0	97.4
June .....	607	610	68.3	68.4	95.3	96.5
July .....	604	610	67.7	68.6	93.4	96.3
August .....	568	574	65.3	65.9	88.1	89.8
September .....	612	611	68.7	68.5	98.2	97.6
October .....	623	621	69.3	69.1	101.2	100.6
November .....	624	617	69.6	69.0	103.6	101.1
December .....	615	608	69.5	68.3	104.7	100.3
1975						
January .....	610	606	68.2	68.2	101.2	101.1
February .....	581	578	66.1	66.1	96.8	96.4
March .....	577	578	65.9	66.0	97.1	96.9
April .....	r562	r564	r65.2	65.7	r95.7	r97.0
May .....	r568	r574	p65.5 (NA)	p65.9 (NA)	p97.4 (NA)	p98.8 (NA)
June .....	p563	p566				
July .....						
August .....						
September .....						
October .....						
November .....						
December .....						

NA=not available; P=preliminary; R=revised;

E=estimated.

\*Indicates series shown in charts. (See page 10.)

## defense indicators

TABLE  
**3**

### Intermediate and Final Indicators of Defense Activity--Continued

Year and month	Defense Department manpower, DOD		Defense Department net outlays, DOD				
	677. Military, not seasonally adjusted*	678. Civilian, not seasonally adjusted*	680. Total, military functions and military assistance			681. Operations	
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January .....	2,334	1,073	6,388	6,256	6,295	4,119	4,107
February .....	2,314	1,057	6,054	6,377	6,288	3,988	4,162
March .....	2,291	1,051	6,736	6,366	6,220	4,217	4,167
April .....	2,274	1,051	6,222	6,194	6,281	4,087	3,970
May .....	2,256	1,051	6,213	5,896	6,235	4,033	3,946
June .....	2,253	1,031	7,854	6,597	6,291	4,537	3,935
July .....	2,251	1,019	5,005	5,978	6,330	3,669	4,018
August .....	2,237	1,022	6,649	6,716	6,371	4,279	4,228
September .....	2,232	1,019	5,967	6,598	6,503	4,027	4,316
October .....	2,227	1,022	6,527	6,444	6,441	4,105	4,156
November .....	2,218	1,026	6,766	6,683	6,534	4,359	4,378
December .....	2,202	1,026	5,953	6,228	6,535	4,066	4,226
1974							
January .....	2,199	1,034	6,728	6,538	6,524	4,376	4,333
February .....	2,195	1,039	6,384	6,717	6,527	4,137	4,313
March .....	2,187	1,042	6,702	6,536	6,537	4,398	4,364
April .....	2,174	1,046	6,685	6,458	6,648	4,367	4,221
May .....	2,156	1,053	7,204	6,745	6,712	4,718	4,536
June .....	2,162	1,070	7,872	6,894	6,801	4,835	4,296
July .....	2,162	1,074	5,979	6,921	6,956	4,628	4,917
August .....	2,153	1,064	6,397	7,254	7,068	4,804	4,957
September .....	2,157	1,049	6,948	7,463	7,218	4,575	4,828
October .....	2,156	1,046	7,271	7,130	7,328	4,817	4,853
November .....	2,154	1,046	7,473	7,648	7,302	4,912	5,042
December .....	2,140	1,043	7,451	7,549	7,358	4,742	4,843
1975							
January .....	2,145	1,038	7,051	6,766	7,312	4,775	4,605
February .....	2,146	1,036	7,258	7,590	7,284	4,727	4,907
March .....	2,137	1,034	7,244	7,190	7,258	4,736	4,778
April .....	2,127	1,034	7,190	6,958	p7,061	4,960	4,744
May .....	2,124	1,035	r7,780	r7,494		r4,909	r4,963
June .....	p2,131	(NA)	p7,513	p6,367		p4,813	p4,269
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

NA=not available; p=preliminary; r=revised;

e=estimated.

\*Indicates series shown in charts. (See pages 10 and 11.)

## Intermediate and Final Indicators of Defense Activity--Continued

Year and month	Defense Department net outlays, DOD—Continued			683. Budget outlays for the national defense function, Treasury		685. Defense Department personnel compensation, DOD	
	682. Procurement			Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted*
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*				
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January .....	1,355	1,367	1,301	6,534	6,492	2,811	2,686
February .....	1,243	1,329	1,306	6,563	6,496	2,666	2,720
March .....	1,439	1,291	1,291	6,561	6,440	2,728	2,693
April .....	1,287	1,330	1,322	6,500	6,498	2,675	2,686
May .....	1,315	1,243	1,245	6,164	6,384	2,736	2,666
June .....	1,649	1,371	1,276	6,666	6,419	2,615	2,655
July .....	863	907	1,285	5,849	6,451	2,712	2,707
August .....	1,450	1,513	1,300	6,776	6,458	2,735	2,705
September .....	1,239	1,344	1,318	6,754	6,554	2,615	2,720
October .....	1,487	1,425	1,298	6,542	6,512	2,732	2,732
November .....	1,268	1,349	1,357	6,735	6,632	2,765	2,771
December .....	1,124	1,250	1,318	6,416	6,642	2,589	2,663
1974							
January .....	1,270	1,262	1,300	6,569	6,613	2,879	2,738
February .....	1,195	1,276	1,289	6,835	6,617	2,651	2,702
March .....	1,313	1,241	1,268	6,579	6,640	2,700	2,687
April .....	1,382	1,355	1,254	6,567	6,733	2,750	2,739
May .....	1,292	1,227	1,179	6,874	6,768	2,817	2,745
June .....	1,346	1,165	1,204	6,973	6,831	2,710	2,782
July .....	801	810	1,221	6,783	6,962	2,835	2,793
August .....	1,348	1,425	1,224	7,212	7,112	2,814	2,837
September .....	1,251	1,343	1,270	7,362	7,254	2,741	2,823
October .....	1,455	1,377	1,338	7,467	7,393	2,869	2,864
November .....	1,372	1,501	1,440	7,727	7,436	2,827	2,864
December .....	1,439	1,569	1,444	7,809	7,550	2,874	2,924
1975							
January .....	1,427	1,428	1,460	7,039	7,554	2,913	2,762
February .....	1,351	1,444	1,429	7,896	7,526	2,808	2,862
March .....	1,500	1,440	1,414	7,385	7,536	2,812	2,799
April .....	1,220	1,194	pl,354	7,297	(NA)	r2,866	r2,835
May .....	1,467	1,406	pl,209	7,788	(NA)	p2,851	p2,831
June .....	pl,402			(NA)		(NA)	
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

NA=not available; p=preliminary; r=revised; e=estimated.

\*Indicates series shown in charts. (See page 11.)

## defense indicators

TABLE

**3**

### Intermediate and Final Indicators of Defense Activity--Continued

Year and month	688. Manufacturers' shipments, defense products, Census		689. Manufacturers' shipments to the U.S. Government, aerospace industries, Census, seasonally adjusted*	691. Ratio, manufacturers' unfilled orders to shipments, defense products, Census		693. Ratio, manufacturers' inventories to shipments, defense products, Census	
	Seasonally adjusted*	Moving average of seasonally adjusted data-5-month*		Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*	Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Ratio)	(Ratio)	(Ratio)	(Ratio)
1973							
January .....	1,628	1,561	...	11.7	12.3	3.2	3.3
February .....	1,570	1,575	3,599	12.2	12.3	3.3	3.3
March .....	1,584	1,607	...	12.2	12.2	3.3	3.3
April .....	1,584	1,587	...	12.4	12.3	3.4	3.3
May .....	1,669	1,585	3,607	11.9	12.4	3.2	3.4
June .....	1,527	1,571	...	13.2	12.6	3.6	3.4
July .....	1,562	1,561	...	12.7	12.8	3.5	3.5
August .....	1,511	1,552	3,612	13.4	12.8	3.7	3.5
September .....	1,535	1,555	...	13.0	13.0	3.6	3.6
October .....	1,625	1,543	...	12.4	13.1	3.4	3.6
November .....	1,541	1,552	3,611	13.5	13.3	3.6	3.6
December .....	1,505	1,567	...	13.8	13.4	3.7	3.6
1974							
January .....	1,552	1,564	...	13.8	13.4	3.7	3.6
February .....	1,610	1,573	r3,696	13.6	13.6	3.6	3.7
March .....	1,612	1,591	...	13.4	13.7	3.7	3.7
April .....	1,586	1,600	...	13.6	13.7	3.8	3.8
May .....	1,594	1,564	r3,780	13.9	14.0	3.8	3.9
June .....	1,596	1,541	...	13.9	14.4	3.9	4.0
July .....	1,431	1,551	...	15.5	14.6	4.4	4.0
August .....	1,497	1,565	r3,834	16.0	14.7	4.3	4.0
September .....	1,638	1,553	...	14.6	15.0	3.9	4.1
October .....	1,663	1,584	...	14.3	15.3	3.9	4.1
November .....	1,536	1,613	r3,888	16.0	15.2	4.2	4.1
December .....	1,585	1,636	...	15.5	15.0	4.1	4.0
1975							
January .....	1,644	1,646	...	15.0	15.0	4.0	4.0
February .....	1,753	1,688	p4,049	14.3	15.0	3.8	4.0
March .....	1,714	r1,704	...	14.6	r14.8	4.0	4.0
April .....	1,742	p1,689	...	14.3	p14.8	4.0	(NA)
May .....	1,668	(NA)	r14.9	4.3	(NA)	4.0	
June .....	p1,569	p15.9	p14.8	4.0			
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

NA=not available; p=preliminary; r=revised; e=estimated.

\*Indicates series shown in charts. (See page 12.)

## Defense-Related Balance of Payments Components

Year and month	546. Transfers under U.S. military agency sales contracts (exports), BEA <sup>1</sup>		547. Direct defense expenditures (imports), BEA, not seasonally adjusted*	696. U.S. Government cash receipts associated with military sales contracts, BEA <sup>2</sup>	
	Not seasonally adjusted	Seasonally adjusted*		Not seasonally adjusted	Seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)		(Mil. dol.)	(Mil. dol.)
1973					
January .....	...	...	1,174	520	566
February .....	332	347	...	...	...
March .....	...	...	...	...	...
April .....	...	...	1,236	544	552
May .....	504	455	...	...	...
June .....	...	...	...	...	...
July .....	...	...	1,072	610	617
August .....	489	531	...	...	...
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November .....	1,017	1,009	1,177	616	555
December .....	...	...	...	...	...
1974					
January .....	...	...	1,166	499	544
February .....	639	663	...	...	...
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May .....	738	678	1,324	645	653
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August .....	716	766	1,279	996	998
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November .....	852	837	1,335	817	762
December .....	...	...	...	...	...
1975					
January .....	...	...	...	...	...
February .....	p904	p948	p1,295	p1,081	p1,125
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May .....	(NA)	(NA)	(NA)	(NA)	(NA)
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August .....	...	...	...	...	...
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November .....	...	...	...	...	...
December .....	...	...	...	...	...

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See page 13.)

<sup>1</sup> Includes deliveries for which, under Public Law 93-199, Israel has been released from its contractual liability to pay.<sup>2</sup> Excludes funds made available under Public Law 93-199 to release Israel from its contractual liability to pay for defense articles and services purchased through military sales contracts. Quarterly expenditures for such purpose under Public Law 93-199 amounted to (in millions): 1974, IIQ, \$623; IIIQ, \$223; IVQ, \$91; 1975, IQ, \$187.

## Appendix A. SEASONAL ADJUSTMENT FACTORS

Series title	1975											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>MONTHLY SERIES</b>												
Defense Department gross obligations incurred:												
617. Total <sup>1</sup> .....	112.4	92.5	86.7	93.3	82.9	128.5	115.0	104.3	97.4	107.8	86.5	89.5
619. Operations <sup>1</sup> .....	106.3	88.2	91.2	104.1	93.0	112.9	118.1	100.2	95.6	108.3	90.5	90.5
621. Procurement .....	133.1	104.0	84.9	80.5	62.0	164.0	72.8	88.9	98.1	112.3	107.0	91.4
623. Gross obligations incurred outside the Federal Government for national defense <sup>1</sup> .....	106.4	87.7	92.5	94.6	87.7	114.0	117.4	104.5	96.5	103.1	96.6	97.5
625. Defense Department military prime contract awards for work performed in the United States .....	96.6	83.3	93.2	70.7	69.1	175.6	113.9	104.4	103.2	107.2	90.8	90.6
Defense Department gross unpaid obligations outstanding: <sup>2</sup>												
643. Total .....	102.5	102.2	99.2	97.8	93.6	95.7	98.4	101.4	101.9	103.7	102.5	100.9
644. Operations .....	106.7	100.8	93.7	93.2	88.0	87.5	97.7	104.8	104.7	113.3	108.1	101.3
645. Procurement .....	102.6	103.6	101.7	99.9	96.9	99.5	99.2	97.7	98.2	99.4	100.4	100.7
648. Manufacturers' new orders, defense products <sup>3</sup> .....	94.9	98.1	98.4	87.5	71.2	93.1	178.1	85.4	116.2	104.9	91.8	106.5
653. Average weekly overtime hours, production workers, defense products industries <sup>4</sup> .....	-.1	-.1	-.1	-.3	-.2	.0	-.3	-.1	.3	.1	.3	.4
654. Accretion rate, defense products industries <sup>4</sup> .....	.0	-.3	-.2	-.2	-.0	.7	.2	.4	.3	.0	-.2	-.7
655. Layoff rate, defense products industries <sup>4</sup> .....	-.1	-.1	-.1	-.0	-.0	-.1	-.2	-.1	-.1	-.0	-.1	-.0
657. Output of defense and space equipment <sup>3</sup> .....	100.0	99.9	100.4	99.4	99.9	100.7	98.6	98.9	100.1	100.1	100.9	101.8
659. Manufacturers' inventories, defense products <sup>3</sup> .....	98.6	99.8	101.3	100.6	100.0	99.9	100.2	99.2	99.7	100.6	100.6	99.4
661. Manufacturers' unfilled orders, defense products <sup>3</sup> .....	101.0	101.2	101.0	99.8	97.3	96.3	101.0	99.7	100.5	101.0	99.9	99.8
Employment in defense products industries:												
670. Total .....	100.3	100.1	99.8	99.6	99.4	99.8	99.5	99.4	100.1	100.3	100.8	100.6
671. Production workers .....	100.6	100.4	99.9	99.6	99.1	99.5	99.0	99.0	100.1	100.3	101.2	101.2
673. Index of aggregate weekly man-hours, defense products industries .....	100.0	100.0	99.9	99.2	99.4	99.8	98.7	99.0	100.3	100.3	101.4	101.7
675. Index of aggregate weekly payrolls, production workers, defense products industries .....	100.1	100.4	100.2	98.6	98.6	98.8	96.9	98.1	100.6	100.5	102.5	104.4
Defense Department net outlays:												
680. Total, military functions and military assistance <sup>1</sup> .....	104.2	95.6	100.8	103.3	103.8	118.0	86.1	92.6	96.4	102.3	95.1	100.3
681. Operations <sup>1</sup> .....	103.7	96.3	99.1	104.5	98.9	112.7	95.4	96.9	94.6	100.9	97.4	100.2
682. Procurement <sup>1</sup> .....	99.9	93.6	104.1	102.2	104.3	116.0	96.6	95.4	97.9	105.3	88.6	92.4
683. Budget outlays for the national defense function <sup>1</sup> .....	103.8	95.3	100.7	103.5	102.7	118.1	87.3	91.5	97.0	102.8	95.4	97.1
685. Defense Department personnel compensation <sup>1</sup> .....	105.5	98.1	100.5	101.1	100.7	98.4	101.6	98.3	97.9	100.3	97.9	98.3
688. Manufacturers' shipments, defense products <sup>3</sup> .....	88.0	96.4	99.5	99.6	98.9	105.6	98.1	99.1	103.4	99.5	102.9	108.3
<b>QUARTERLY SERIES</b>												
	1Q						IIQ					
200. Gross national product <sup>3</sup> .....	96.1						100.9					
264. Fed. Govt. purchases of goods and services, national defense <sup>3</sup> .....	99.2						104.9					
546. Transfers under U.S. military agency sales contracts-exports <sup>5</sup> .....	-24						60					
Defense Department military prime contract awards:												
626. Aircraft .....	92.8						115.6					
627. Missile and space systems .....	88.4						69.9					
629. Weapons and ammunition .....	97.5						138.7					
630. Electronic and communications equipment .....	92.8						127.2					
631. Combat vehicles .....	48.2						141.1					
632. Other hard goods .....	90.3						146.0					
633. Soft goods .....	74.7						75.7					
634. Construction .....	89.1						181.4					
635. Services .....	60.8						105.4					
636. Under \$10,000 .....	99.3						124.5					
637. Educational and nonprofit institutions .....	80.0						91.5					
640. Outside U.S. .....	78.1						88.2					
Aerospace industries:												
650. Manufacturers' new orders from the U.S. Government .....	91.3						89.6					
664. Manufacturers' unfilled orders from the U.S. Government .....	100.7						95.9					
689. Manufacturers' shipments to the U.S. Government .....	94.2						102.3					
696. U.S. Govt. cash receipts associated with military sales contracts <sup>5</sup> .....	-45						-8					

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures-imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department manpower (series 677 and 678) contain no measurable seasonal variation.

<sup>1</sup> Factors are products of seasonal and trading-day factors.

<sup>2</sup> Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

of months but these gaps were filled with averages of preceding and following months for purposes of estimating seasonal variation.

<sup>3</sup> These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by dividing the seasonally unadjusted data by the seasonally adjusted data.

<sup>4</sup> These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the seasonal factors into the unadjusted data.

<sup>5</sup> This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit seasonal factors for the calendar year 1974 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted data.

## Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY

### Part 1. Monthly Series

Series title	Period covered	$\bar{O}$	$\bar{C}_I$	$\bar{T}$	$\bar{C}$	$\bar{T}/\bar{C}$	MCD	Average duration of run (ADR)	
								$C_I$	MCD
Defense Department gross obligations incurred:									
617. Total	Jan. '57-Jan. '74	18.68	7.38	7.29	0.75	9.72	6	1.53	2.31
619. Operations	July '59-Jan. '74	8.33	2.61	2.50	.64	3.88	4	1.72	3.00
621. Procurement	Jan. '57-Jan. '74	45.13	22.23	22.10	1.68	13.19	6	1.49	2.12
623. Gross obligations incurred outside the Federal Government for national defense	July '63-Jan. '74	(NA)	6.94	6.82	.74	9.21	6	1.52	2.47
625. Defense Department military prime contract awards for work performed in the United States, total	Jan. '57-Jan. '74	33.17	15.07	14.94	1.32	11.33	6	1.39	2.03
Defense Department gross unpaid obligations outstanding:									
643. Total	Jan. '57-Jan. '74	2.08	1.36	.90	.91	.99	1	2.58	2.58
644. Operations	Jan. '67-Jan. '74	5.47	2.48	2.16	1.06	2.03	3	2.00	4.82
645. Procurement	Jan. '67-Jan. '74	2.49	1.51	.99	.99	1.00	2	2.15	4.88
Manufacturers' new orders:									
647. Defense products industries	Jan. '57-Mar. '72	(NA)	15.11	14.89	.97	15.32	6	1.58	2.33
648. Defense products	Feb. '68-Jan. '74	25.69	19.12	19.01	1.59	11.94	6	1.45	2.00
*653. Average weekly overtime hours, production workers, defense products industries (hours)	Jan. '58-Jan. '74	.22	.13	.13	.05	2.84	3	2.13	4.22
*654. Accession rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74	.39	.16	.15	.05	3.12	4	2.26	3.78
*655. Layoff rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74	.17	.13	.13	.04	3.07	4	2.02	4.02
657. Output of defense and space equipment	Jan. '54-Jan. '74	(NA)	.98	.48	.79	.60	1	4.07	4.07
Manufacturers' inventories:									
658. Defense products industries	Jan. '57-Mar. '72	(NA)	1.04	.52	.85	.62	1	2.80	2.80
659. Defense products	Jan. '68-Jan. '74	1.89	1.74	1.16	1.27	.92	1	3.00	3.00
Manufacturers' unfilled orders:									
660. Defense products industries	Jan. '57-Mar. '72	(NA)	1.23	.90	.83	1.09	2	2.76	3.42
661. Defense products	Jan. '68-Jan. '74	1.93	1.64	1.11	.99	1.11	2	2.77	3.94
Employment in defense products industries:									
670. Total	Jan. '58-Jan. '74	.74	.68	.25	.60	.42	1	4.68	4.68
671. Production workers	Jan. '58-Jan. '74	1.02	.86	.43	.69	.63	1	3.62	3.62
673. Index of aggregate weekly man-hours, defense products industries	Jan. '58-Jan. '74	.92	.75	.35	.62	.56	1	4.09	4.09
675. Index of aggregate weekly payrolls, production workers, defense products industries	Jan. '58-Jan. '74	1.61	1.07	.65	.81	.80	1	3.05	3.05
Defense Department manpower:									
677. Military (1)	Jan. '57-Jan. '74	.66	(NA)	.26	.59	.44	1	4.25	4.25
678. Civilian (1)	Jan. '57-Jan. '74	.55	(NA)	.33	.43	.79	1	4.25	4.25
Defense Department net outlays:									
680. Total, military functions and military assistance	Jan. '57-Jan. '74	9.06	3.97	3.87	.75	5.18	6	1.71	3.16
681. Operations	July '59-Jan. '74	7.57	3.52	3.31	.70	4.75	5	1.61	2.43
682. Procurement	Jan. '57-Jan. '74	15.02	11.57	11.44	1.55	7.38	6	1.59	2.88
683. Budget outlays for the national defense function	Jan. '57-Jan. '74	(NA)	4.09	4.02	.69	5.82	6	1.58	3.02
685. Defense Department personnel compensation	Jan. '67-Jan. '74	2.72	1.40	1.21	.53	2.29	4	2.55	4.26
Manufacturers' shipments:									
687. Defense products industries	Jan. '57-Mar. '72	(NA)	2.67	2.49	.87	2.85	3	1.64	3.40
688. Defense products	Jan. '68-Jan. '74	6.98	4.45	4.40	.95	4.62	5	1.41	2.83
Ratio, manufacturers' unfilled orders to shipments:									
690. Defense products industries	Jan. '57-Mar. '72	(NA)	2.95	2.71	.96	2.82	4	1.90	3.81
691. Defense products	Jan. '68-Jan. '74	8.23	5.09	5.05	.93	5.46	6	1.60	3.05
Ratio, manufacturers' inventories to shipments:									
692. Defense products industries	Jan. '57-Mar. '72	(NA)	2.84	2.90	.72	4.01	5	2.46	5.74
693. Defense products	Jan. '68-Jan. '74	8.05	5.37	5.44	.75	7.20	6	1.76	3.35

NA = not available.

\*Measures for these series are based on actual changes rather than percent changes (see definition below). (1) indicates measures are based on unadjusted data.

#### BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 1

The measures in this appendix provide a historical perspective for interpreting current changes in each series. They are derived using the Census X-11 seasonal adjustment program. Brief definitions of the measures are given below; more complete definitions appear in *Electronic Computers and Business Indicators* by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from *Journal of Business*, October 1957).

" $\bar{O}$ " is the average month-to-month percent change, without regard to sign, in the original unadjusted series. (See final paragraph below for exceptions to these definitions.)

" $\bar{C}_I$ " is the same for the seasonally adjusted series.

" $\bar{T}$ " is the same for the short-term trend, which is a smooth, flexible moving average of the seasonally adjusted series.

" $\bar{T}$ " is the same for the irregular component, which is obtained by dividing the seasonally adjusted series by the short-term trend.

" $\bar{T}/\bar{C}$ " measures the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is the ratio of the average monthly percent change (without regard to sign) in the irregular component to the average monthly percent change (without regard to sign) in the short-term trend.

"MCD" (months for cyclical dominance) estimates the number of months required for the short-term trend to dominate the irregular component. Average percent changes are computed for spans of from 1 to 12 months for both the irregular component and the short-term trend. MCD is the shortest span of months for which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All MCD's greater than "5" are shown as "6".

## Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY—Continued

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between two observations, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series (CI) and the MCD curve, which is a moving average (with the number of terms equal to MCD) of the seasonally adjusted series. A comparison of these measures with the expected ADR of a random series indicates whether the changes approximate those of a random series. In a random series, the expected ADR is 1.5 and the actual values fall between 1.36 and 1.75 about 95 percent of the time. For a moving average of a random series, the expected ADR is 2.

Measures for series identified with an asterisk (\*) are computed by an additive method. This method is used for series with zero or negative data, series which could approach zero, and series expressed in percent. In this method, the measures are defined the same as above except for two differences: (1) the measures are based on actual month-to-month changes (rather than percent changes) and (2) the irregular component is obtained by subtracting the short-term trend from the seasonally adjusted series. The average changes shown above for the components of such a series are in the same unit of measure as the series itself. The unit is indicated in the series title.

### Part 2. Quarterly Series

Series title	Period covered	$\bar{D}$	$\bar{CI}$	$\bar{T}$	$\bar{C}$	$\bar{T}/\bar{C}$	QCD	Average duration of run (ADR)	
								CI	QCD
200. Gross national product .....	IQ '57-IVQ '73 .....	5.70	1.79	0.32	1.73	0.18	1	9.57	9.57
264. Federal Government purchases of goods and services, national defense .....	IQ '57-IVQ '73 .....	6.18	2.00	.76	1.71	.45	1	3.05	3.05
*546. Transfers under U.S. military agency sales contracts—exports (mil. dol.) .....	IQ '60-IVQ '73 .....	76.33	54.22	39.30	29.71	1.32	2	1.67	2.35
*547. Direct defense expenditures—imports (mil. dol.) @ .....	IQ '60-IVQ '73 .....	34.27	(NA)	26.55	21.70	1.22	2	1.83	2.70
*613. National defense purchases as a percent of GNP (percent) .....	IQ '57-IVQ '73 .....	.33	.18	.08	.16	.48	1	5.58	5.58
650. Manufacturers' new orders from the U.S. Government, aerospace industries .....	IQ '61-IVQ '73 .....	(NA)	16.77	14.80	5.06	2.92	4	1.38	1.66
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries .....	IQ '61-IVQ '73 .....	(NA)	3.75	2.31	2.51	.92	1	2.32	2.32
666. Defense Department progress payments outstanding @ .....	IQ '57-IVQ '73 .....	4.73	(NA)	2.25	4.22	.53	1	2.48	2.48
689. Manufacturers' shipments to the U.S. Government, aerospace industries .....	IQ '61-IVQ '73 .....	(NA)	4.16	3.27	1.99	1.64	2	1.70	2.27
*696. U.S. Government cash receipts associated with military sales contracts (million dollars) .....	IQ '60-IVQ '73 .....	96.62	73.64	56.86	38.62	1.47	2	1.57	2.35

NA = not available.

\*Measures for these series are based on actual changes rather than percent changes (see definition below). @ indicates measures are based on unadjusted data.

#### BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 2

These measures are defined the same as those in part 1 except that they are based on quarter-to-quarter percent changes. For example,  $\bar{CI}$  is the average quarter-to-quarter percent change (without regard to sign) in the seasonally adjusted series.

In deriving "QCD" (quarters for cyclical dominance), average percent changes are computed for spans of from one to four quarters for the irregular component and the short-term trend. QCD is the shortest span of quarters for

which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All QCD's greater than "3" are shown as "4". The "Average Duration of Run" (ADR) measures are also expressed in quarters.

As in part 1, measures for series identified with an asterisk (\*) are computed by an additive method. This method is the same as that used for the monthly series except for the use of quarterly data rather than monthly.

## Appendix C. HISTORICAL DATA

This appendix provides historical data (back to 1945 if available) for selected Defense Indicators series. Data are shown for series which (a) have recently been added to the report, (b) have recently been revised, or (c) have not been shown here for a long time. By keeping these tables, the user can acquire a complete set of historical data. Each time a series is included in this appendix, it is footnoted to indicate the extent of any revisions since it was last shown. See the "Alphabetical Index—Series Finding Guide" for the latest issue in which historical data

were published for each series. Current figures are shown in the basic data tables each month and may be used to update these historical tables.

Official source agency annual figures are shown if available. Such figures may differ slightly from those computed from the monthly or quarterly data appearing in the tables. When both seasonally adjusted and unadjusted data are shown for a series, annual figures are included only for the unadjusted data. Quarterly and annual data are not included for moving averages.

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
<b>625. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK PERFORMED IN THE U.S., TOTAL, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)</b>													TOTAL FOR PERIOD				
1951...	4,004	2,508	2,974	2,878	3,730	7,917	2,946	2,180	1,834	2,295	2,074	3,413	9,486	14,525	6,960	7,782	38,753
1952...	2,905	3,961	3,003	2,061	3,022	12,182	828	524	1,684	1,729	2,000	3,202	9,469	17,271	3,036	6,931	36,707
1953...	1,145	2,521	2,518	1,995	5,639	1,039	1,441	585	810	771	164	408	7,753	10,102	2,836	1,343	22,034
1954...	581	416	1,069	1,286	3,038	622	425	2,012	1,817	302	967	1,906	5,363	3,059	3,081	13,414	
1955...	962	969	1,191	1,414	807	3,442	726	805	608	934	1,074	3,015	3,122	5,663	2,139	5,023	15,947
1956...	1,232	1,159	1,803	1,025	1,397	4,406	896	1,372	2,137	1,643	1,582	2,593	4,194	6,828	4,405	5,818	21,245
1957...	1,452	1,594	1,871	1,699	637	2,380	1,222	853	1,337	1,361	1,470	2,243	4,917	4,716	3,412	5,074	18,119
1958...	1,714	1,019	2,663	1,628	2,404	4,819	1,150	1,210	2,356	1,679	1,372	2,996	5,416	8,851	4,626	6,087	24,940
1959...	1,328	1,556	2,363	1,728	1,501	4,753	1,644	1,349	1,834	1,827	1,677	1,583	5,247	7,982	4,827	5,087	23,143
1960...	1,524	1,447	2,279	1,395	1,788	4,116	1,592	1,626	2,297	1,310	1,554	2,183	5,250	7,299	5,515	5,047	23,111
1961...	1,697	1,812	2,337	1,867	1,519	1,483	1,706	2,116	2,524	1,851	2,611	5,846	7,897	5,305	6,988	26,034	
1962...	2,898	1,831	2,927	1,935	1,800	4,118	1,448	1,846	2,138	2,870	1,997	7,656	7,853	5,432	7,253	28,194	
1963...	2,235	2,185	2,736	1,760	2,085	4,422	1,788	2,395	2,825	2,142	1,471	2,014	7,156	8,267	7,008	5,627	26,058
1964...	2,220	2,473	2,090	2,214	2,305	3,534	2,198	1,777	2,354	1,941	1,571	1,835	6,783	8,053	6,327	5,455	26,618
1965...	1,975	1,536	2,473	2,056	1,907	4,402	2,089	2,517	2,775	2,646	2,402	2,22	5,984	8,865	7,281	7,040	29,938
1966...	2,766	2,377	2,835	3,042	2,743	6,861	1,735	2,674	3,427	2,521	2,596	3,207	7,976	12,446	10,536	9,024	40,164
1967...	3,135	3,179	2,876	2,675	3,713	6,680	3,407	3,343	4,088	3,456	2,693	3,183	9,390	13,068	10,838	9,292	42,348
1968...	2,685	2,770	2,943	3,090	3,858	5,766	3,811	2,872	4,400	3,852	2,682	3,523	6,398	12,714	11,083	10,057	42,252
1969...	3,021	2,963	2,463	2,280	2,582	4,862	3,012	2,788	3,160	3,271	2,111	2,710	8,447	9,724	8,900	8,092	35,223
1970...	2,522	2,269	2,457	2,070	2,140	5,054	2,828	2,601	2,497	3,852	2,120	3,124	7,253	9,264	7,926	9,096	33,539
1971...	2,215	2,271	2,871	2,187	1,778	4,100	3,208	3,016	3,134	2,715	2,532	3,152	7,357	8,065	9,358	8,359	33,179
1972...	3,210	2,499	2,871	2,167	2,204	5,574	3,415	2,593	2,815	3,008	2,997	2,611	8,580	9,945	8,823	8,616	35,964
1973...	2,578	2,418	2,841	1,854	2,489	5,122	2,357	3,224	3,309	3,198	2,967	2,944	7,837	9,465	8,890	9,109	35,301
1974...																	
1975...																	
<b>625. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK PERFORMED IN THE U.S., TOTAL, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)</b>													TOTAL FOR PERIOD				
1951...	3,976	3,493	3,001	2,892	3,760	2,759	4,097	4,241	2,333	2,823	3,402	3,399	10,470	9,411	10,671	9,684	
1952...	2,528	5,479	2,959	2,088	3,059	4,292	1,158	2,116	2,143	3,295	3,148	10,966	9,439	4,276	8,585		
1953...	3,682	2,295	2,381	2,462	2,038	2,042	2,035	1,089	1,004	959	265	390	8,358	6,542	4,128	1,614	
1954...	616	564	826	1,068	1,326	1,116	886	767	2,454	2,271	481	913	2,006	3,510	4,107	3,665	
1955...	1,049	1,306	1,028	1,468	841	1,287	971	1,231	597	1,136	1,310	2,194	3,383	3,596	2,799	4,640	
1956...	1,474	1,502	1,400	1,782	2,028	2,024	1,198	2,082	2,091	1,972	1,933	4,191	4,364	5,210	5,395	5,797	
1957...	1,756	1,927	1,563	2,312	808	1,093	1,619	1,310	1,297	1,594	1,810	1,671	5,246	4,213	4,226	5,064	
1958...	2,103	1,232	2,243	2,142	3,043	2,228	1,811	1,692	2,308	1,704	2,388	5,578	7,413	5,511	5,912		
1959...	1,625	1,898	1,966	2,204	1,893	2,222	2,192	1,964	1,793	1,937	2,102	1,298	5,489	6,319	5,949	5,253	
1960...	1,850	1,754	1,904	1,726	2,252	1,963	2,151	2,200	2,250	1,327	1,938	1,922	5,568	5,141	6,601	5,187	
1961...	1,989	2,186	1,987	2,274	1,855	2,229	1,993	2,143	2,033	2,494	2,308	2,491	6,162	6,358	6,169	7,293	
1962...	3,271	2,180	2,552	2,295	2,140	2,127	1,888	2,167	2,032	2,814	2,946	6,003	6,562	6,087	7,804		
1963...	2,429	2,611	2,463	2,023	2,413	2,366	2,216	2,722	2,635	2,119	1,814	2,149	7,503	6,802	7,573	6,082	
1964...	2,372	2,958	1,966	2,502	2,640	1,910	2,580	1,963	2,163	1,957	2,075	1,997	7,296	7,052	6,706	6,039	
1965...	2,097	1,846	2,451	2,843	2,150	2,390	2,313	2,775	2,419	2,790	2,995	2,988	6,394	7,383	7,507	6,773	
1966...	2,952	2,906	2,956	3,461	2,978	3,693	3,940	3,165	3,541	3,383	3,225	3,513	8,814	10,132	10,646	10,121	
1967...	3,364	3,930	3,034	3,026	4,040	3,566	3,545	3,690	3,720	3,626	3,308	3,479	10,328	10,632	10,955	10,413	
1968...	2,887	3,445	3,124	3,488	4,203	3,067	3,937	3,173	3,436	3,903	3,378	3,613	9,456	10,758	10,946	10,894	
1969...	3,398	3,441	2,904	2,825	3,070	2,744	2,896	3,001	2,680	2,987	2,734	2,765	9,743	8,639	8,577	8,486	
1970...	2,655	2,623	2,904	2,591	2,585	2,896	2,717	2,782	2,113	3,468	2,746	3,181	8,382	8,032	7,612	6,391	
1971...	2,508	2,704	3,104	2,928	2,231	2,324	2,916	3,093	2,982	2,606	3,092	3,066	8,316	7,483	8,991	8,764	
1972...	3,520	2,982	3,025	2,985	2,786	3,154	3,078	2,636	2,725	2,946	3,589	2,532	9,527	8,925	8,437	8,067	
1973...	2,824	2,899	2,947	2,568	3,171	2,897	2,106	3,276	3,222	3,176	3,515	2,850	8,670	8,636	8,604	9,541	
1974...																	
1975...																	

NOTE: These series contain no revisions but are reprinted for the convenience of the user. Data prior to July 1955 exclude orders written to other Government agencies.

(JULY 1975)

## Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
625. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK PERFORMED IN THE U.S., TOTAL, 6-MONTH MOVING AVERAGE OF SEASONALLY ADJUSTED DATA <sup>1</sup> (MILLIONS OF DOLLARS)																	
1951***	3,442	3,319	3,252	3,401	3,173	2,426	2,296	2,295	2,334	2,286	3,393	3,131	3,337				
1952***	2,824	2,877	2,666	2,483	2,098	1,778	1,528	1,232	957	721	633						
1953***	603	622	798	919	964	998	1,270	1,470	1,329	1,295	1,323	1,412					
1954***	1,175	1,041	1,101	1,163	1,150	1,138	1,056	1,010	1,089	1,240	1,324	1,350					
1955***	1,501	1,545	1,624	1,596	1,549	1,669	1,768	1,862	1,888	1,865	1,959	1,929					
1956***	1,841	1,897	1,710	1,577	1,554	1,451	1,407	1,287	1,455	1,552	1,632	1,619					
1957***	1,777	1,868	2,072	2,165	2,067	2,143	2,154	2,110	1,878	1,904	1,923	1,957					
1958***	1,900	1,954	1,986	1,968	2,063	2,074	2,045	2,000	2,035	1,881	1,824	1,789					
1959***	1,808	1,772	1,797	1,908	1,958	2,033	2,090	2,024	1,972	1,965	1,938	1,935					
1960***	1,892	2,049	2,036	2,087	2,087	2,080	2,088	2,125	2,200	2,244	2,457	2,463					
1961***	2,549	2,516	2,488	2,428	2,197	2,195	2,108	2,195	2,329	2,315	2,405	2,479					
1962***	2,551	2,419	2,331	2,384	2,349	2,367	2,396	2,412	2,312	2,276	2,302	2,341					
1963***	2,230	2,294	2,431	2,391	2,426	2,260	2,293	2,204	2,110	2,124	2,044	2,024					
1964***	2,072	2,218	2,231	2,296	2,333	2,487	2,482	2,473	2,614	2,713	2,820	2,842					
1965***	2,931	3,043	3,040	3,156	3,322	3,366	3,463	3,450	3,491	3,461	3,365	3,493					
1966***	3,408	3,349	3,488	3,493	3,524	3,484	3,598	3,694	3,576	3,561	3,452	3,411					
1967***	3,312	3,246	3,436	3,369	3,494	3,617	3,686	3,549	3,640	3,550	3,595						
1968***	3,400	3,260	3,208	3,064	2,980	2,907	2,869	2,896	2,840	2,844	2,837	2,774					
1969***	2,812	2,746	2,714	2,736	2,717	2,739	2,607	2,753	2,780	2,834	2,799	2,786					
1970***	2,951	2,852	2,776	2,633	2,701	2,766	2,746	2,692	2,836	2,959	3,060	3,041					
1971***	3,048	3,112	3,061	3,075	3,001	2,944	2,894	2,887	3,021	2,917	2,876	2,919					
1972***	2,956	2,893	2,821	2,884	2,765	2,828	2,873	2,975	3,032	3,024	3,236	3,214					
1973***	1,755	1,777	1,797	1,808	1,772	1,797	1,776	1,797	1,808	1,821	1,841	1,851					
1974***	1,755	1,777	1,797	1,808	1,772	1,797	1,776	1,797	1,808	1,821	1,841	1,851					
1975***	1,755	1,777	1,797	1,808	1,772	1,797	1,776	1,797	1,808	1,821	1,841	1,851					
626. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, AIRCRAFT, NOT SEASONALLY ADJUSTED <sup>2</sup> (MILLIONS OF DOLLARS)																	
1957***	***	***	***	***	***	***	***	***	***	***	***	***	876	2,114			
1958***	***	***	***	***	***	***	***	***	***	***	***	***	1,883	2,541	1,039	1,706	7,169
1959***	***	***	***	***	***	***	***	***	***	***	***	***	1,666	2,076	1,079	5,795	
1960***	***	***	***	***	***	***	***	***	***	***	***	***	1,132	1,603	1,140	1,051	4,926
1961***	***	***	***	***	***	***	***	***	***	***	***	***	915	1,430	1,441	4,924	
1962***	***	***	***	***	***	***	***	***	***	***	***	***	1,657	1,267	919	1,673	5,516
1963***	***	***	***	***	***	***	***	***	***	***	***	***	1,200	1,687	1,714	1,136	5,737
1964***	***	***	***	***	***	***	***	***	***	***	***	***	1,754	1,463	1,210	1,092	5,519
1965***	***	***	***	***	***	***	***	***	***	***	***	***	1,133	2,346	1,404	1,512	6,395
1966***	792	617	535	655	454	1,872	842	873	981	919	618	724	1,944	2,985	2,696	2,261	9,886
1967***	784	788	529	432	1,240	1,377	393	635	1,484	1,249	578	605	2,101	3,049	2,512	2,632	10,294
1968***	442	529	574	834	1,129	1,000	426	577	1,156	594	934	898	1,545	2,969	2,159	2,026	8,699
1969***	891	741	545	444	386	1,175	356	629	689	569	511	526	2,177	2,005	1,674	1,606	7,462
1970***	505	334	701	404	591	1,032	429	602	473	991	352	533	1,200	2,087	1,906	1,876	7,497
1971***	553	328	797	390	330	902	796	1,061	722	627	597	564	1,676	2,079	1,788	1,676	
1972***	634	469	726	471	367	1,586	958	529	523	395	427	612	1,829	2,424	2,007	1,454	7,694
1973***	728	328	721	122	866	1,243	396	611	867	939	666	316	1,777	2,231	1,874	1,941	7,823
1974***	1,755	1,777	1,797	1,808	1,772	1,797	1,776	1,797	1,808	1,821	1,841	1,851					
1975***	1,755	1,777	1,797	1,808	1,772	1,797	1,776	1,797	1,808	1,821	1,841	1,851					
627. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, MISSILE AND SPACE SYSTEMS, NOT SEASONALLY ADJUSTED <sup>2</sup> (MILLIONS OF DOLLARS)																	
1957***	***	***	***	***	***	***	***	***	***	***	***	***	876	2,114			
1958***	***	***	***	***	***	***	***	***	***	***	***	***	1,095	1,506	695	1,478	4,774
1959***	***	***	***	***	***	***	***	***	***	***	***	***	1,261	1,950	1,387	1,319	5,517
1960***	***	***	***	***	***	***	***	***	***	***	***	***	1,511	1,667	1,399	1,586	6,163
1961***	***	***	***	***	***	***	***	***	***	***	***	***	1,963	1,741	1,461	1,513	6,678
1962***	***	***	***	***	***	***	***	***	***	***	***	***	2,000	1,714	1,671	1,421	6,806
1963***	***	***	***	***	***	***	***	***	***	***	***	***	1,116	1,371	1,386	702	4,577
1964***	***	***	***	***	***	***	***	***	***	***	***	***	1,243	900	1,167	1,058	4,368
1965***	***	***	***	***	***	***	***	***	***	***	***	***	957	1,244	843	4,041	
1966***	403	269	325	300	173	484	358	305	581	343	258	242	997	1,244	843	4,041	4,872
1967***	361	352	449	295	256	589	495	516	514	322	412	311	1,152	1,140	1,525	1,045	
1968***	345	419	367	317	449	294	997	270	815	479	308	462	1,151	1,060	2,082	1,249	5,542
1969***	282	318	263	276	298	537	480	450	409	641	215	473	863	1,111	1,339	1,329	4,642
1970***	486	275	236	259	206	712	357	624	567	341	222	722	999	1,177	1,548	1,285	5,009
1971***	383	223	269	230	190	349	506	433	666	530	279	472	875	778	1,281	4,539	
1972***	359	410	473	257	209	481	681	326	481	516	491	359	1,242	947	1,488	1,366	5,043
1973***	377	297	504	233	129	349	207	921	435	368	283	563	1,178	711	1,563	1,214	4,666
1974***	1,755	1,777	1,797	1,808	1,772	1,797	1,776	1,797	1,808	1,821	1,841	1,851					
1975***	1,755	1,777	1,797	1,808	1,772	1,797	1,776	1,797	1,808	1,821	1,841	1,851					
628. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SHIPS, NOT SEASONALLY ADJUSTED <sup>2</sup> (MILLIONS OF DOLLARS)																	
1957***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	61	186	***
1958***	***	***	***	***	***	***	***	***	***	***	***	***	217	113	350	350	***
1959***	***	***	***	***	***	***	***	***	***	***	***	***	233	399	262	158	1,052
1960***	***	***	***	***	***	***	***	***	***	***	***	***	300	290	276	352	1,218
1961***	***	***	***	***	***	***	***	***	***	***	***	***	353	385	463	333	1,534
1962***	***	***	***	***	***	***	***	***	***	***	***	***	406	273	302	547	1,528
1963***	***	***	***	***	***	***	***	***	***	***	***	***	440	394	422	206	1,462
1964***	***	***	***	***	***	***	***	***	***	***	***	***	206	651	407	360	1,624
1965***	***	***	***	***	***	***	***	***	***	***	***	***	377	547	212	286	1,422
1966***	73	71	210	152	95	244	156	210	505	81	48	11					

## Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
<b>629. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, WEAPONS AND AMMUNITION, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)</b>																	TOTAL FOR PERIOD
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	51
1958...	...	...	...	...	...	...	...	...	...	...	...	...	130	232	97	509	...
1959...	...	...	...	...	...	...	...	...	...	...	...	...	109	317	62	95	583
1960...	...	...	...	...	...	...	...	...	...	...	...	...	146	294	133	123	696
1961...	...	...	...	...	...	...	...	...	...	...	...	...	177	262	188	374	1,001
1962...	...	...	...	...	...	...	...	...	...	...	...	...	280	299	145	301	1,025
1963...	...	...	...	...	...	...	...	...	...	...	...	...	310	344	154	170	978
1964...	...	...	...	...	...	...	...	...	...	...	...	...	285	282	163	287	1,018
1965...	...	...	...	...	...	...	...	...	...	...	...	...	174	414	403	46	1,911
1966...	190	159	196	339	400	743	220	225	237	290	250	382	545	1,482	692	931	3,650
1967...	346	213	256	279	518	971	91	415	597	454	443	438	815	1,768	1,103	1,335	5,021
1968...	225	416	382	423	431	877	99	559	619	1,280	569	415	1,023	1,731	1,277	2,284	6,295
1969...	383	356	237	186	358	435	114	126	429	447	303	292	976	979	669	1,042	3,666
1970...	286	198	255	204	209	514	33	96	169	316	207	207	739	927	298	797	2,761
1971...	190	272	177	206	128	402	10	79	282	147	428	411	639	736	371	981	2,732
1972...	257	250	225	235	225	448	41	82	166	292	269	236	732	908	289	797	2,726
1973...	207	226	195	150	184	566	21	81	114	105	106	192	626	900	216	403	2,147
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>630. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, ELECTRONIC AND COMMUNICATIONS EQUIPMENT, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)</b>																	TOTAL FOR PERIOD
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	260
1958...	...	...	...	...	...	...	...	...	...	...	...	...	537	1,014	372	520	2,443
1959...	...	...	...	...	...	...	...	...	...	...	...	...	417	1,165	473	631	2,686
1960...	...	...	...	...	...	...	...	...	...	...	...	...	709	1,213	530	546	2,998
1961...	...	...	...	...	...	...	...	...	...	...	...	...	848	1,230	351	906	3,335
1962...	...	...	...	...	...	...	...	...	...	...	...	...	814	1,236	594	668	3,312
1963...	...	...	...	...	...	...	...	...	...	...	...	...	753	1,046	519	523	2,841
1964...	...	...	...	...	...	...	...	...	...	...	...	...	707	1,169	487	536	2,899
1965...	...	...	...	...	...	...	...	...	...	...	...	...	592	1,163	533	701	2,939
1966...	22	287	302	357	296	890	149	187	260	304	318	285	861	1,543	605	901	3,916
1967...	343	257	322	478	333	1,002	166	296	257	268	241	302	922	1,613	719	811	4,265
1968...	308	259	240	328	407	722	204	318	303	259	290	349	807	1,487	825	898	3,987
1969...	258	259	272	304	396	657	194	230	220	361	231	327	789	1,357	644	919	3,709
1970...	267	264	247	283	263	523	320	223	192	402	163	286	778	1,069	735	851	3,433
1971...	252	230	255	227	174	552	252	367	364	212	246	278	737	953	983	736	3,409
1972...	307	324	347	248	272	731	234	215	298	302	401	228	978	1,251	747	931	3,907
1973...	214	215	420	237	351	654	131	354	313	248	392	261	849	1,242	796	901	3,790
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>631. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, COMBAT VEHICLES, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)</b>																	TOTAL FOR PERIOD
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	49	208	18	3	278
1959...	...	...	...	...	...	...	...	...	...	...	...	...	5	104	13	16	138
1960...	...	...	...	...	...	...	...	...	...	...	...	...	38	176	7	33	234
1961...	...	...	...	...	...	...	...	...	...	...	...	...	174	63	33	171	441
1962...	...	...	...	...	...	...	...	...	...	...	...	...	157	192	65	168	582
1963...	...	...	...	...	...	...	...	...	...	...	...	...	205	136	c	129	478
1964...	...	...	...	...	...	...	...	...	...	...	...	...	93	90	34	63	276
1965...	...	...	...	...	...	...	...	...	...	...	...	...	22	145	143	97	467
1966...	36	36	42	43	45	135	39	22	78	57	74	64	114	221	139	195	669
1967...	12	10	35	58	28	139	46	104	23	42	17	40	57	225	173	99	554
1968...	26	79	30	62	35	109	13	13	64	36	15	47	135	206	94	98	529
1969...	29	38	58	27	50	77	17	11	129	26	27	14	121	154	157	66	407
1970...	38	28	28	21	21	54	8	31	86	56	35	53	94	96	125	144	459
1971...	17	27	28	37	18	71	5	4	5	30	59	14	72	126	14	103	315
1972...	13	7	13	37	17	72	6	18	140	15	40	33	33	126	164	88	411
1973...	14	11	11	12	15	54	50	24	27	116	21	56	36	81	101	193	411
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
<b>632. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, OTHER HARD GOODS, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)</b>																	TOTAL FOR PERIOD
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	202	532	124	219	1,077
1959...	...	...	...	...	...	...	...	...	...	...	...	...	271	472	173	175	1,093
1960...	...	...	...	...	...	...	...	...	...	...	...	...	242	480	175	176	1,081
1961...	...	...	...	...	...	...	...	...	...	...	...	...	311	525	171	348	1,395
1962...	...	...	...	...	...	...	...	...	...	...	...	...	380	653	226	335	1,594
1963...	...	...	...	...	...	...	...	...	...	...	...	...	401	629	255	260	1,945
1964...	...	...	...	...	...	...	...	...	...	...	...	...	387	577	318	356	1,638
1965...	...	...	...	...	...	...	...	...	...	...	...	...	296	751	583	670	2,300
1966...	197	224	300	395	397	823	132	181	207	290	255	286	721	1,615	520	831	3,687
1967...	255	294	307	240	333	764	155	251	204	210	136	208	856	1,337	610	554	3,357
1968...	214	269	276	252	285	601	86	147	295	200	157	211	759	1,138	526	569	2,993
1969...	161	143	193	163	171	325	125	115	164	420	116	101	897	659	408	687	2,207
1970...	116	95	104	122	113	341	56	89	100	185	93	203	313	576	245	461	1,615
1971...	93	169	112	128	101	222	91	94	90	184	113	133	374	451	275	430	1,530
1972...	92	135	135	132	169	399	62	106	111	107	111	115	362	700	279	333	1,574
1973...	140	141	130	145	128	393	65	117	106	133	142	108	411	666	288	363	1,748
1974...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

NOTE: These series contain no revisions but are reprinted for the convenience of the user. Seasonally adjusted data for these series are shown on page 36.

## Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
633. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SOFT GOODS, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)												TOTAL FOR PERIOD					
1957...	...	...	...	...	...	...	...	...	...	...	...	...	325	341	529	376	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	325	704	393	1,763	
1959...	...	...	...	...	...	...	...	...	...	...	...	...	288	265	628	355	1,536
1960...	...	...	...	...	...	...	...	...	...	...	...	...	292	230	618	359	1,499
1961...	...	...	...	...	...	...	...	...	...	...	...	...	322	251	699	392	1,664
1962...	...	...	...	...	...	...	...	...	...	...	...	...	471	303	524	571	1,869
1963...	...	...	...	...	...	...	...	...	...	...	...	...	381	245	657	358	1,641
1964...	...	...	...	...	...	...	...	...	...	...	...	...	455	333	707	406	1,901
1965...	...	...	...	...	...	...	...	...	...	...	...	...	364	349	877	706	2,296
1966...	170	213	326	241	299	381	633	233	211	238	231	520	709	921	1,077	3,696	
1967...	251	192	194	171	199	281	587	279	188	175	118	198	637	651	1,054	491	2,833
1968...	437	139	202	218	211	212	598	139	225	224	166	433	778	641	962	823	3,204
1969...	218	170	199	178	169	219	673	138	142	180	153	176	587	566	953	509	2,615
1970...	295	102	154	124	102	166	468	113	123	103	117	365	551	392	724	585	2,252
1971...	89	96	122	132	125	158	607	126	113	96	118	327	307	415	846	541	2,109
1972...	115	121	125	120	155	141	545	179	127	111	85	358	361	416	851	554	2,182
1973...	141	112	102	113	97	158	469	177	186	154	235	228	355	368	852	617	2,192
1974...																	
1975...																	
634. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CONSTRUCTION, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)												TOTAL FOR PERIOD					
1957...	...	...	...	...	...	...	...	...	...	...	...	...	255	991	241	221	1,708
1958...	...	...	...	...	...	...	...	...	...	...	...	...	307	641	167	248	1,363
1959...	...	...	...	...	...	...	...	...	...	...	...	...	318	474	154	224	1,170
1960...	...	...	...	...	...	...	...	...	...	...	...	...	348	460	231	253	1,292
1961...	...	...	...	...	...	...	...	...	...	...	...	...	338	392	121	314	1,165
1962...	...	...	...	...	...	...	...	...	...	...	...	...	312	385	261	196	1,154
1963...	...	...	...	...	...	...	...	...	...	...	...	...	477	426	241	358	1,502
1964...	...	...	...	...	...	...	...	...	...	...	...	...	379	347	184	249	1,159
1965...	...	...	...	...	...	...	...	...	...	...	...	...	207	392	197	149	945
1966...	77	55	75	81	100	211	74	72	51	41	51	57	207	392	197	149	945
1967...	106	59	67	126	159	339	56	100	75	55	44	113	232	624	231	212	1,299
1968...	61	53	67	39	195	406	51	78	151	80	89	63	181	640	280	232	1,333
1969...	170	76	90	97	96	307	33	85	49	44	31	32	336	500	167	107	1,110
1970...	42	55	202	73	71	310	34	65	83	75	67	105	299	454	182	247	1,182
1971...	103	65	108	160	165	298	40	73	123	80	41	127	276	623	236	248	1,383
1972...	74	177	144	147	174	470	138	103	64	77	88	69	395	791	305	234	1,725
1973...	103	205	131	153	151	493	34	111	101	147	54	86	439	797	246	287	1,769
1974...																	
1975...																	
635. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SERVICES, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)												TOTAL FOR PERIOD					
1957...	...	...	...	...	...	...	...	...	...	...	...	...	471	797	743	596	2,607
1958...	...	...	...	...	...	...	...	...	...	...	...	...	205	331	616	278	1,430
1959...	...	...	...	...	...	...	...	...	...	...	...	...	202	225	402	166	995
1960...	...	...	...	...	...	...	...	...	...	...	...	...	151	371	313	261	1,096
1961...	...	...	...	...	...	...	...	...	...	...	...	...	198	316	450	322	1,288
1962...	...	...	...	...	...	...	...	...	...	...	...	...	302	430	577	391	1,700
1963...	...	...	...	...	...	...	...	...	...	...	...	...	353	479	472	254	1,558
1964...	...	...	...	...	...	...	...	...	...	...	...	...	348	666	602	526	2,342
1965...	164	123	105	88	99	397	871	198	380	234	119	153	392	584	1,449	506	2,931
1966...	151	245	85	138	143	274	995	269	219	216	175	343	481	555	1,483	734	3,253
1967...	163	141	184	162	116	433	910	254	234	188	105	219	488	711	1,398	512	3,109
1968...	133	436	148	158	111	373	730	550	183	116	117	130	717	642	1,463	363	3,185
1969...	94	50	153	142	123	390	438	342	303	317	322	163	748	664	1,053	802	3,297
1970...	93	136	148	133	145	372	510	274	236	399	198	172	377	688	1,050	769	2,884
1971...	135	148	143	118	169	440	347	325	167	571	132	155	426	721	839	858	2,884
1972...	154	140	152	195	137	446	341	265	292	308	161	178	446	778	658	727	2,809
1973...																	
1974...																	
1975...																	
636. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CONTRACTS UNDER \$10,000, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)												TOTAL FOR PERIOD					
1957...	...	...	...	...	...	...	...	...	...	...	...	...	318	456	320	370	1,544
1958...	...	...	...	...	...	...	...	...	...	...	...	...	366	446	346	370	1,528
1959...	...	...	...	...	...	...	...	...	...	...	...	...	371	458	356	373	1,558
1960...	...	...	...	...	...	...	...	...	...	...	...	...	409	526	394	442	1,771
1961...	...	...	...	...	...	...	...	...	...	...	...	...	592	689	502	602	2,385
1962...	...	...	...	...	...	...	...	...	...	...	...	...	656	850	562	608	2,676
1963...	...	...	...	...	...	...	...	...	...	...	...	...	761	780	617	677	2,835
1964...	...	...	...	...	...	...	...	...	...	...	...	...	705	866	669	805	3,045
1965...	317	274	345	334	339	568	193	294	362	379	326	349	936	1,241	849	1,054	4,080
1966...	331	313	369	358	326	611	184	271	324	261	280	280	1,013	1,295	779	821	3,908
1967...	261	305	325	324	346	519	166	259	282	329	265	275	891	1,189	707	869	3,656
1968...	347	238	321	316	337	530	170	249	290	253	288	281	906	1,183	709	822	3,620
1969...	201	261	291	276	340	568	127	209	276	294	251	281	713	1,184	612	828	3,137
1970...	293	237	303	327	299	536	149	297	305	297	269	275	833	1,162	751	841	3,587
1971...	327	289	317	300	318	516	159	279	348	277	313	255	933	1,134	786	845	3,698
1972...	341	320	334	356	319	551	225	210	390	319	335	326	995	1,226	825	980	4,026
1973...																	
1974...																	
1975...																	

NOTE: These series contain no revisions but are reprinted for the convenience of the user. Seasonally adjusted data for these series are shown on pages 36 and 37.

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## Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
<b>637. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, EDUCATIONAL AND NONPROFIT INSTITUTIONS, NOT SEASONALLY ADJUSTED<sup>1</sup> (MILLIONS OF DOLLARS)</b>												<b>TOTAL FOR PERIOD</b>					
1957...	...	...	...	...	...	...	...	...	...	...	...	...	103	148	62	83	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	126	96	90	87	428
1959...	...	...	...	...	...	...	...	...	...	...	...	...	80	122	95	98	399
1960...	...	...	...	...	...	...	...	...	...	...	...	...	122	117	82	123	395
1961...	...	...	...	...	...	...	...	...	...	...	...	...	131	161	96	183	444
1962...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	571
1963...	...	...	...	...	...	...	...	...	...	...	...	...	166	175	174	193	708
1964...	...	...	...	...	...	...	...	...	...	...	...	...	136	185	210	216	670
1965...	...	...	...	...	...	...	...	...	...	...	...	...	171	218	114	146	649
1966...	75	49	74	57	42	115	68	44	65	55	39	35	198	214	197	119	728
1967...	105	38	92	26	49	128	61	103	69	51	63	35	235	205	233	149	822
1968...	95	84	40	52	30	88	62	45	82	68	75	53	219	170	189	196	774
1969...	56	76	34	66	38	104	69	70	76	75	68	33	166	208	215	176	765
1970...	48	61	59	43	44	94	43	58	49	59	79	87	168	181	150	225	724
1971...	61	53	54	28	33	98	64	61	31	89	84	96	168	159	156	269	752
1972...	46	37	58	43	46	96	87	61	79	69	114	43	141	185	227	226	779
1973...	41	45	43	46	35	76	61	123	86	85	87	29	129	157	270	201	757
1974...																	
1975...																	
<b>638. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CIVILIAN HEALTH AND MEDICAL PROGRAM OF THE UNIFORMED SERVICES (CHAMPUS), NOT SEASONALLY ADJUSTED<sup>2</sup> (MILLIONS OF DOLLARS)</b>												<b>TOTAL FOR PERIOD</b>					
1972...	**	**	0	13	**	10	-1	**	0	**	0	10	229	35	260	0	343
1973...	34	0	13	**	10	-1	**	0	**	0	10	229	35	260	0	343	
1974...																	
1975...																	
<b>640. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK OUTSIDE THE UNITED STATES, NOT SEASONALLY ADJUSTED<sup>1</sup> (MILLIONS OF DOLLARS)</b>												<b>TOTAL FOR PERIOD</b>					
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	757	601	395	312	2,065
1959...	...	...	...	...	...	...	...	...	...	...	...	...	261	442	383	253	1,339
1960...	...	...	...	...	...	...	...	...	...	...	...	...	208	382	342	206	1,198
1961...	...	...	...	...	...	...	...	...	...	...	...	...	260	413	371	275	1,319
1962...	...	...	...	...	...	...	...	...	...	...	...	...	280	528	392	287	1,487
1963...	...	...	...	...	...	...	...	...	...	...	...	...	220	376	449	322	1,367
1964...	...	...	...	...	...	...	...	...	...	...	...	...	276	276	446	271	1,269
1965...	...	...	...	...	...	...	...	...	...	...	...	...	226	423	531	284	1,464
1966...	190	177	154	117	656	423	379	194	283	239	183	250	521	1,195	856	672	3,244
1967...	184	112	157	227	227	380	314	382	195	193	117	145	453	834	891	455	2,633
1968...	288	139	134	157	135	315	560	199	202	169	181	201	561	607	961	551	2,680
1969...	254	257	97	119	139	298	512	178	152	144	59	361	608	556	842	564	2,570
1970...	246	137	103	95	152	268	534	181	111	125	106	188	486	515	826	419	2,245
1971...	123	93	188	98	64	262	509	197	96	123	107	105	404	424	802	335	1,965
1972...	169	130	106	82	95	290	368	278	195	142	104	99	405	467	841	345	2,058
1973...	156	151	125	213	83	264	368	244	159	194	240	186	432	560	771	620	2,383
1974...																	
1975...																	

Note: These series contain no revisions but are reprinted for the convenience of the user.

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<sup>1</sup>Seasonally adjusted data for this series are shown on page 37.

<sup>2</sup>This series is shown in this appendix for the first time.

## Appendix C. HISTORICAL DATA—Continued

Year	Quarterly				Annual	Year	Quarterly				Annual
	I Q	II Q	III Q	IV Q			I Q	II Q	III Q	IV Q	
<b>626. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, AIRCRAFT, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)</b>											
1957.....	***	***	1,245	2,195		1957.....	***	217	543		
1958.....	1,749	1,877	1,485	1,768		1958.....	851	1,008	853	1,154	
1959.....	1,741	1,535	1,481	1,007		1959.....	1,112	1,289	883	1,410	
1960.....	1,177	1,222	1,496	1,086		1960.....	1,251	1,368	1,655	1,301	
1961.....	932	1,469	903	1,493		1961.....	1,474	1,528	1,549	1,627	
1962.....	1,593	1,051	1,061	1,757		1962.....	1,887	1,661	1,516	1,588	
1963.....	1,222	1,439	1,679	1,200		1963.....	2,162	1,747	1,441	1,523	
1964.....	1,835	1,255	1,266	1,186		1964.....	1,201	1,410	1,183	759	
1965.....	1,196	2,017	1,421	1,669		1965.....	1,334	942	970	1,160	
1966.....	2,108	2,515	2,715	2,521		1966.....	1,271	1,019	1,016	916	
1967.....	2,334	2,520	2,582	2,839		1967.....	1,276	1,230	1,224	1,121	
1968.....	1,728	2,476	2,214	2,160		1968.....	1,293	1,148	1,667	1,304	
1969.....	2,435	1,688	1,713	1,698		1969.....	1,000	1,205	1,070	1,360	
1970.....	1,821	1,754	1,947	2,017		1970.....	1,177	1,278	1,240	1,294	
1971.....	1,804	1,441	2,500	1,965		1971.....	1,040	993	1,252	1,207	
1972.....	1,981	2,129	1,940	1,584		1972.....	1,395	1,255	1,154	1,283	
1973.....	1,942	1,948	1,804	2,150		1973.....	1,306	967	1,200	1,138	
1974.....						1974.....					
1975.....						1975.....					
<b>629. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, WEAPONS AND AMMUNITION, SEAS. ADJ. (MILLION DOL.)</b>											
1957.....	***	***	173	68		1957.....	***	276	335		
1958.....	126	141	102	115		1958.....	565	621	560	671	
1959.....	106	198	107	115		1959.....	435	721	728	808	
1960.....	141	195	221	136		1960.....	735	762	798	696	
1961.....	172	186	298	379		1961.....	871	787	515	1,153	
1962.....	278	227	219	282		1962.....	832	799	658	651	
1963.....	324	269	224	152		1963.....	774	676	749	661	
1964.....	296	220	256	284		1964.....	741	746	708	674	
1965.....	206	317	544	813		1965.....	635	730	784	860	
1966.....	674	1,116	909	842		1966.....	940	955	900	1,076	
1967.....	1,036	1,410	1,384	1,120		1967.....	1,049	1,139	1,060	940	
1968.....	1,261	1,402	1,728	1,873		1968.....	932	973	1,113	932	
1969.....	1,152	808	961	838		1969.....	911	938	837	984	
1970.....	842	777	454	629		1970.....	904	755	834	900	
1971.....	709	619	674	761		1971.....	856	683	1,236	744	
1972.....	770	734	562	614		1972.....	1,083	959	931	937	
1973.....	658	725	436	310		1973.....	939	959	990	900	
1974.....						1974.....					
1975.....						1975.....					
<b>631. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, COMBAT VEHICLES, SEASONALLY ADJUSTED (MILLION DOL.)</b>											
1957.....	***	***	65	31		1957.....	***	193	233		
1958.....	71	79	64	7		1958.....	220	297	218	303	
1959.....	7	42	47	29		1959.....	293	267	302	241	
1960.....	43	79	25	46		1960.....	256	282	291	242	
1961.....	177	33	108	186		1961.....	324	314	271	515	
1962.....	149	121	168	156		1962.....	393	407	336	426	
1963.....	198	99	16	109		1963.....	424	402	362	318	
1964.....	100	70	48	53		1964.....	423	379	425	425	
1965.....	28	110	183	84		1965.....	333	502	746	787	
1966.....	157	160	155	197		1966.....	832	1,092	644	971	
1967.....	83	158	182	115		1967.....	942	897	621	645	
1968.....	169	149	90	125		1968.....	827	767	720	565	
1969.....	146	111	156	85		1969.....	535	491	584	611	
1970.....	111	69	124	190		1970.....	335	443	356	439	
1971.....	99	103	12	116		1971.....	402	353	401	412	
1972.....	51	103	131	98		1972.....	401	506	418	318	
1973.....	60	65	80	214		1973.....	458	480	432	365	
1974.....						1974.....					
1975.....						1975.....					
<b>633. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SOFT GOODS, SEASONALLY ADJUSTED (MILLION DOLLARS)</b>											
1957.....	***	***	333	394		1957.....	***	317	161		
1958.....	420	503	441	415		1958.....	270	541	444	322	
1959.....	367	396	392	381		1959.....	317	360	306	344	
1960.....	362	351	384	395		1960.....	314	283	269	295	
1961.....	384	391	434	438		1961.....	327	296	382	314	
1962.....	545	474	328	642		1962.....	506	274	186	374	
1963.....	434	373	419	398		1963.....	283	281	379	227	
1964.....	525	485	458	448		1964.....	450	310	331	423	
1965.....	429	604	578	768		1965.....	375	244	247	502	
1966.....	856	1,230	716	1,074		1966.....	230	251	257	193	
1967.....	780	777	780	495		1967.....	279	377	301	286	
1968.....	963	744	722	823		1968.....	227	375	364	325	
1969.....	732	650	720	507		1969.....	432	289	216	170	
1970.....	717	499	499	580		1970.....	363	254	241	399	
1971.....	409	536	577	529		1971.....	320	342	347	388	
1972.....	516	551	557	539		1972.....	434	440	465	368	
1973.....	519	488	553	600		1973.....	484	442	377	450	
1974.....						1974.....					
1975.....						1975.....					
<b>634. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CONSTRUCTION, SEASONALLY ADJUSTED (MILLION DOLLARS)</b>											
1957.....	***	***	333	394		1957.....	***	317	161		
1958.....	270	541	444	322		1958.....	270	541	444	322	
1959.....	317	360	306	344		1959.....	317	360	306	344	
1960.....	314	283	269	295		1960.....	314	283	269	295	
1961.....	327	296	382	314		1961.....	327	296	382	314	
1962.....	506	274	186	374		1962.....	506	274	186	374	
1963.....	283	281	379	227		1963.....	283	281	379	227	
1964.....	450	310	331	423		1964.....	450	310	331	423	
1965.....	375	244	247	502		1965.....	375	244	247	502	
1966.....	230	251	257	193		1966.....	230	251	257	193	
1967.....	279	377	301	286		1967.....	279	377	301	286	
1968.....	227	375	364	325		1968.....	227	375	364	325	
1969.....	432	289	216	170		1969.....	432	289	216	170	
1970.....	363	254	241	399		1970.....	363	254	241	399	
1971.....	320	342	347	388		1971.....	320	342	347	388	
1972.....	434	440	465	368		1972.....	434	440	465	368	
1973.....	484	442	377	450		1973.....	484	442	377	450	
1974.....						1974.....					
1975.....						1975.....					

Note: These series contain no revisions but are reprinted for the convenience of the user. Unadjusted data for these series are shown on pages 32-34.

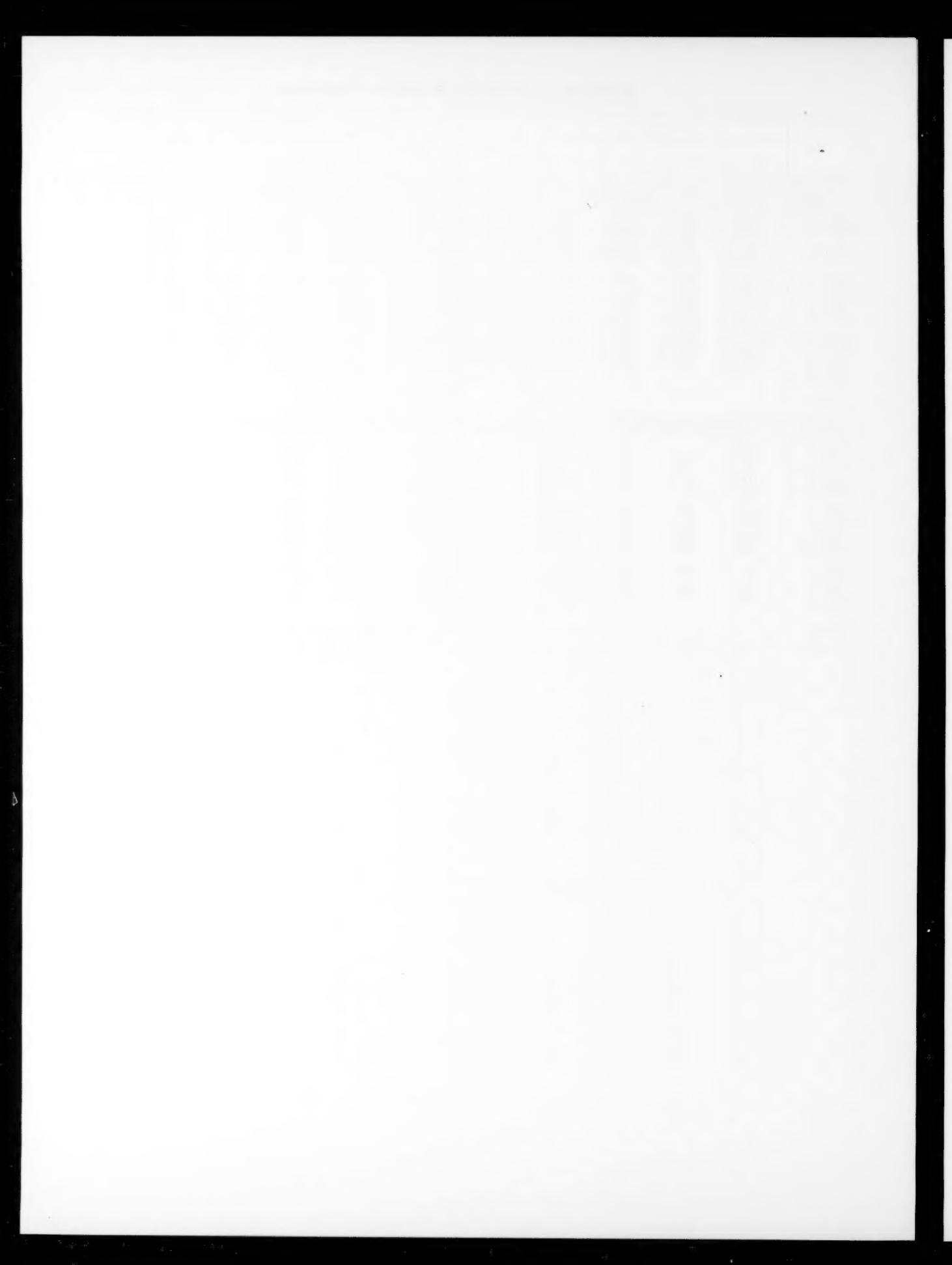
(JULY 1975)

## Appendix C. HISTORICAL DATA—Continued

Year	Quarterly				Annual	Year	Quarterly				Annual
	I Q	II Q	III Q	IV Q			I Q	II Q	III Q	IV Q	
<b>635. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SERVICES, SEASONALLY ADJUSTED (MILLION DOL.)</b>											
1957.....	536	734				1957.....	298	287			
1958.....	797	769	506	664		1958.....	328	378	361	316	
1959.....	345	316	421	316		1959.....	375	370	393	316	
1960.....	331	212	277	194		1960.....	377	379	408	430	
1961.....	235	347	216	316		1961.....	412	436	457	474	
1962.....	294	291	323	393		1962.....	592	570	586	647	
1963.....	431	391	419	479		1963.....	654	701	661	647	
1964.....	495	442	399	314		1964.....	763	641	729	716	
1965.....	485	637	552	666		1965.....	712	711	791	846	
1966.....	550	620	910	635		1966.....	953	1,016	1,002	1,107	
1967.....	721	619	692	934		1967.....	1,034	1,061	926	860	
1968.....	744	820	821	657		1968.....	910	975	835	909	
1969.....	1,045	755	914	414		1969.....	929	933	873	869	
1970.....	1,108	751	719	844		1970.....	730	916	768	868	
1971.....	572	749	740	758		1971.....	846	918	919	914	
1972.....	697	737	622	799		1972.....	942	901	954	911	
1973.....	755	776	653	663		1973.....	1,003	977	997	1,059	
1974.....						1974.....					
1975.....						1975.....					
<b>637. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, EDUCATIONAL AND NONPROFIT INST., SEAS. ADJ. (MIL. DOL.)</b>											
1957.....	75	90				1957.....	261	388			
1958.....	99	123	100	101		1958.....	947	447	390	369	
1959.....	121	80	109	91		1959.....	330	331	368	300	
1960.....	77	105	115	99		1960.....	268	291	316	316	
1961.....	119	102	100	120		1961.....	341	323	327	328	
1962.....	131	141	117	173		1962.....	375	426	327	349	
1963.....	170	153	212	182		1963.....	299	308	362	349	
1964.....	139	163	163	205		1964.....	383	227	348	347	
1965.....	174	193	128	149		1965.....	319	346	407	374	
1966.....	188	197	212	132		1966.....	749	966	645	916	
1967.....	214	192	244	173		1967.....	577	722	681	508	
1968.....	194	163	185	200		1968.....	695	538	734	729	
1969.....	163	211	217	168		1969.....	742	554	615	748	
1970.....	174	184	154	203		1970.....	574	571	508	542	
1971.....	181	161	164	238		1971.....	484	484	528	437	
1972.....	155	187	220	192		1972.....	492	536	545	455	
1973.....	152	168	259	169		1973.....	527	645	497	833	
1974.....						1974.....					
1975.....						1975.....					
<b>640. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK OUTSIDE THE U.S., SEASONALLY ADJUSTED (MIL. DOL.)</b>											
1957.....						1957.....					
1958.....						1958.....					
1959.....						1959.....					
1960.....						1960.....					
1961.....						1961.....					
1962.....						1962.....					
1963.....						1963.....					
1964.....						1964.....					
1965.....						1965.....					
1966.....						1966.....					
1967.....						1967.....					
1968.....						1968.....					
1969.....						1969.....					
1970.....						1970.....					
1971.....						1971.....					
1972.....						1972.....					
1973.....						1973.....					
1974.....						1974.....					
1975.....						1975.....					

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Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)	Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)
		Charts	Tables					Charts	Tables		
Accession rate, defense products industries	654	8	21	4/75	4/73	Inventories, manufacturers'	659	9	22	8/74	2/73
Aerospace industries						Defense products	658	9	...	1/72	2/73
Manufacturers' new orders from U.S. Government	650	See New orders.				Defense products industries	693	12	26	8/74	2/73
Manufacturers' shipments to U.S. Government	689	See Shipments.				Ratio to shipments, defense products	692	12	...	11/72	2/73
Manufacturers' unfilled orders from U.S. Government	664	See Unfilled orders.				Ratio to shipments, defense products industries					
Balance of payments (defense-related)						Layoff rate, defense products industries	655	8	21	4/75	4/73
Cash receipts associated with military sales contracts	696	13	27	9/74	10/73	Man-hours, defense products industries	673	10	23	5/75	4/73
Direct defense expenditures	547	13	27	9/74	10/73	Military manpower—See Civilian manpower and Military manpower.	677	10	24	8/74	8/68
Transfers under military agency sales contracts	546	13	27	9/74	10/73	Military prime contract awards—See Contract awards.					
Budget outlays for national defense function	683	See Outlays.				Net outlays, Defense Department—See Outlays.					
Cash receipts associated with military sales contracts	696	See Balance of payments.				New orders, manufacturers'	648	7	20	8/74	2/73
Civilian manpower, Defense Department	678	10	24	8/74	8/68	Defense products	647	7	...	11/72	2/73
Compensation						Defense products industries	650	8	20	5/75	2/73
Payrolls, aggregate weekly, defense products						From Government, aerospace industries					
industries	675	10	23	5/75	4/73	Obligations incurred, gross	619	...	15	4/73	8/68
Personnel compensation, Defense Department	685	11	25	5/75	8/68	Defense Department, operations	621	6	15	1/75	8/68
Contract awards, military prime						Defense Department, procurement	617	6	15	4/75	8/68
Aircraft	626	...	16	7/75	8/68	Outside Government for national defense	623	6	16	4/75	10/73
Civilian Health and Medical Program	638	...	19	7/75	...	Obligations outstanding, gross unpaid	644	...	20	4/75	8/68
Combat vehicles	631	...	17	7/75	8/68	Defense Department, operations	645	...	20	4/75	8/68
Construction	634	...	18	7/75	8/68	Defense Department, procurement	643	7	20	4/75	8/68
Contracts under \$10,000	636	...	19	7/75	8/68	Operations, Defense Department					
Educational and nonprofit institutions	637	...	19	7/75	8/68	Net outlays	681	See Outlays.			
Electronic and communications equipment	630	...	17	7/75	8/68	Obligations incurred	619	See Obligations incurred.			
Missile and space systems	627	...	16	7/75	8/68	Unpaid obligations outstanding	644	See Obligations outstanding.			
Other hard goods	632	...	18	7/75	8/68	Orders—See New orders and Unfilled orders.					
Services	635	...	18	7/75	8/68	Outlays					
Ships	628	...	17	7/75	8/68	Budget outlays for national defense function	683	11	25	5/75	10/73
Soft goods	633	...	18	7/75	8/68	Defense Department, operations	681	...	24	5/75	8/68
Total	625	7	16	7/75	8/68	Defense Department, procurement	682	11	25	5/75	8/68
Weapons and ammunition	629	...	17	7/75	8/68	Defense Department, total	680	11	24	5/75	8/68
Work outside the U.S.	640	...	19	7/75	8/68	Output of defense and space equipment	657	9	22	8/74	10/73
Defense and space equipment, output						Overtime hours, defense products industries	653	8	21	4/75	4/73
Defense Department	657	See Output of defense and space equipment.									
Gross obligations incurred—See Obligations incurred.											
Gross unpaid obligations outstanding—See Obligations outstanding.											
Manpower—See Civilian manpower and Military manpower.											
Military prime contract awards—See Contract awards.											
Net outlays—See Outlays.											
Personnel compensation											
Progress payments outstanding											
Direct defense expenditures											
Employment											
Accession rate, defense products industries											
Employment, production workers, defense products industries											
Employment, total, defense products industries	671	10	23	5/75	4/73						
Layoff rate, defense products industries	670	10	22	5/75	4/73	Shipments, manufacturers'	688	12	26	8/74	2/73
Man-hours, defense products industries	655	See Layoff rate.				Defense products	687	12	...	11/72	2/73
Manpower—See Civilian manpower and Military manpower.	673	See Man-hours.				Defense products industries	693	See Inventories.			
Overtime hours, defense products industries						Ratio, inventories to shipments, defense products					
Expenditures—See Outlays.						Ratio, inventories to shipments, defense products industries	692	See Unfilled orders.			
Federal purchases of goods and services for national defense						Ratio, unfilled orders to shipments, defense products industries	691	See Unfilled orders.			
Gross national product						Ratio, unfilled orders to shipments, defense products industries	690	12	26	5/75	2/73
Federal purchases of goods and services for national defense	264	5	14	9/74	10/73	To Government, aerospace industries	689	12	26	5/75	2/73
Gross national product	200	5	14	9/74	10/73						
National defense purchases as percent of GNP	613	5	14	9/74	10/73						
Gross obligations incurred—See Obligations incurred.											
Gross unpaid obligations outstanding—See Obligations outstanding.											



